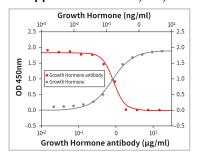# Hormone Products (Monoclonal Antibody)

Hormones control the growth, development, and metabolism of the body; the electrolyte composition of bodily fluids; and reproduction. Among the substances that can be considered hormones, are eicosanoids, steroids, amino acid derivatives, protein/peptides and gases. Hormones affect distant cells by binding to specific receptor proteins in the target cell, resulting in a change in cell function. When a hormone binds to the receptor, it results in the activation of a signal transduction pathway that typically activates gene transcription, resulting in increased expression of target proteins. Hormones can also act in rapid, non-genomic pathways that can be synergistic with genomic effects.

	Product name	Clone No.	Applications	Isotype	Host	Cat No.
BEST	Growth Hormone	g3H5	ELISA, WB, Neutralization	$IgG_{2b, k}$	M	AGH0401
	PKM-2	AT1B10	ELISA, WB, ICC/IF	$IgG_{1, k}$	M	ATGA0325
BEST	Leptin/OB	AT7E10	ELISA, WB, ICC/IF	$IgG_{2b, k}$	M	ATGA0460
		AT7E10(TCS)	ELISA, WB, ICC/IF	$IgG_{2b, k}$	M	ATGA0536

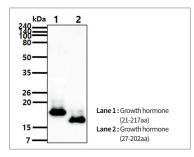**M** : Mouse **TCS** : Tissue Culture Supernatant

Human Growth Hormone antibody (Cat No. AGH0401)

• **Applications :** ELISA, WB, Neutralization

Neutralization analysis
Measured by its ability to neutralize human Growth hormone induced proliferation in Nb2-11 rat lymphoma cells. The neutralization ED_{50} is less than or equal to 2 µg/ml in the presence of 2.5 ng/ml recombinant protein human Growth hormone.

Lane 1 : Growth hormone (21-217aa)
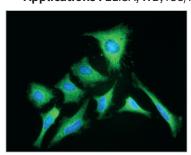Lane 2 : Growth hormone (27-202aa)

Western Blot analysis
The recombinant proteins (50ng) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human Growth hormone antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.
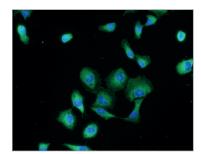
Human PKM-2 antibody (Cat No. ATGA0325)

• **Applications :** ELISA, WB, ICC/IF

ICC/IF analysis
ICC/IF analysis of PKM-2 in HeLa cells. The cell was stained with anti-human PKM-2 antibody (1:100). The secondary antibody (Green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (Blue).

ICC/IF analysis
ICC/IF analysis of PKM-2 in A549 cells. The cell was stained with anti-human PKM-2 antibody (1:100). The secondary antibody (Green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (Blue).
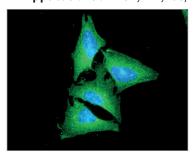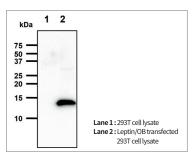
Human Leptin/OB antibody (Cat No. ATGA0460)

• **Applications :** ELISA, WB, ICC/IF

ICC/IF analysis
ICC/IF analysis of Leptin/OB in HeLa cells. The cell was stained with anti-human Leptin/OB antibody (1:100). The secondary antibody (Green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (Blue).

Lane 1 : 293T cell lysate
Lane 2 : Leptin/OB transfected 293T cell lysate

Western Blot analysis
The cell lysates (40µg) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human Leptin/OB antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.
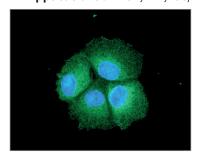
NKMAXBio

6F/1F SNUH Health Care Innovation Park B/D, 172, Dolma-ro, Bundang-gu, Seongnam-si, Gyeonggi-do, Korea, 13605
T. +82-31-603-9224 | E. salesbio@nkmax.com | www.nkmaxbio.com

NKMAXBio

Hormone Products (Monoclonal Antibody)

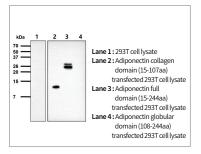| Product name	Clone No.	Applications	Isotype	Host	Cat No.
Adiponectin/Acrp30	1G12	ELISA, WB	IgG$_{1, k}$	M	AAD0602
Adiponectin/Acrp30	5H7	ELISA, WB, ICC/IF	IgG$_{1, k}$	M	AAD0614
IGF-1	AT6F8	ELISA, WB, ICC/IF	IgG$_{2b, k}$	M	ATGA0311
Erythropoietin/EPO	AT1C12	ELISA, WB	IgG$_{1, k}$	M	ATGA0512
Clusterin	1A11	ELISA, WB, FACS, ICC/IF, IHC	IgG$_{1, k}$	M	ACL0711

M : Mouse

Human Adiponectin/Acrp30 antibody (Cat No. AAD0614)

• **Applications :** ELISA, WB, ICC/IF

ICC/IF analysis
ICC/IF analysis of Adiponectin/Acrp30 in Hep3B cells. The cell was stained with anti-human Adiponectin/Acrp30 antibody (1:100). The secondary antibody (Green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (Blue).

Lane 1 : 293T cell lysate
Lane 2 : Adiponectin collagen domain (15-107aa) transfected 293T cell lysate
Lane 3 : Adiponectin full domain (15-244aa) transfected 293T cell lysate
Lane 4 : Adiponectin globular domain (108-244aa) transfected 293T cell lysate

Western Blot analysis
The cell lysates (10μg) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human Adiponectin/Acrp30 antibody (1:2000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.
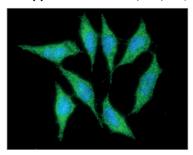
References
Almer G, et al. Adiponectin-coated nanoparticles for enhanced imaging of atherosclerotic plaques. *Int J Nanomedicine.* 2011;6:1279-90. [PMID: 21753879] **IP; Human.**

Almer G, et al. Globular domain of adiponectin: promising target molecule for detection of atherosclerotic lesions. *Biologics.* 2011;5:95-105. [PMID: 22022204] **WB; Human.**
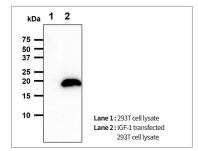
Human IGF-1 antibody (Cat No. ATGA0311)

• **Applications :** ELISA, WB, ICC/IF

ICC/IF analysis
ICC/IF analysis of IGF-1 in PC3 cells. The cell was stained with anti-human IGF-1 antibody (1:100). The secondary antibody (Green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (Blue).
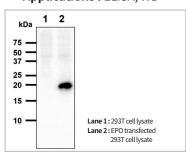

Lane 1 : 293T cell lysate
Lane 2 : IGF-1 transfected 293T cell lysate

Western Blot analysis
The cell lysates (40μg) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human IGF-1 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

Human Erythropoietin/EPO antibody (Cat No. ATGA0512)

• **Applications :** ELISA, WB

Lane 1 : 293T cell lysate
Lane 2 : EPO transfected 293T cell lysate

Western Blot analysis
The cell lysates (40μg) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human Erythropoietin/EPO antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

Custom Monoclonal Antibodies Service

NKMAX is developing high quality monoclonal antibodies based on the accumulation of research, development know-how, antigen design technology with suitable immune method, high cell fusion success rate, and screening technology. We guarantee two positive clones or more with positive ELISA results.

Benefit of custom service from NKMAX:
• **Fast turn-around time!**
• **Application guaranteed!**
  WB, ELISA, FACS, ICC/IF, IHC, etc.
• **Competitive price!**
• **High quality!**
• **Easy to communicate!**