

Human Wnt-3a antibody

Catalog Number: AWN0924

PRODUCT INFORMATION

Catalog number

AWN0924

Clone No.

3A6

Product type

Monoclonal Antibody

UnitProt No.

P56704

NCBI Accession No.

NP_149122

Alternative Names

Wnt3a, Wingless-type MMTV integration site family, member 3A

PRODUCT SPECIFICATION

Antibody Host

Mouse

Reacts With

Human

Concentration

1mg/ml (determined by BCA assay)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol

Immunogen

Recombinant human Wnt3a (19-352aa) purified from E. coli

Isotype

IgG2a kappa

Purification Note

By protein-G affinity chromatography

Application

ELISA, WB, IHC

Usage

The antibody has been tested by ELISA, Western blot and IHC analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results.

Storage

Human Wnt-3a antibody

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Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

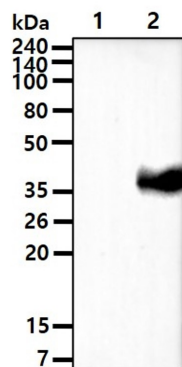
Wingless-type MMTV integration site family, member 3A (Wnt3a) is a member of the Wnt family. The Wnt gene family is representative of a growing class of multifunctional factors that play a role in both tumorigenesis and patterning events required for normal differentiation and development. Wnt3a is a ligand for members of the frizzled family of seven transmembrane receptors.

General References

- Pan W., et al. (2008) Science. 321(5894):1350-1353.
- Katoh M., et al. (2002) Int J Oncol. 20(2):373-377.
- Smolich B D., et al. (1993) Mol Biol Cell. 4(12):1267-1275.

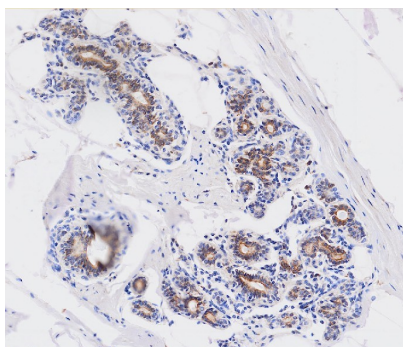
DATA

Western blot analysis (WB)



The cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human Wnt3a antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.
Lane 1.: 293T cell lysate
Lane 2.: Wnt3a Transfected 293T cell lysate

Immunohistochemistry (IHC)



Paraffin embedded sections of human breast cancer tissue were incubated with anti-human Wnt3a (1:50) for 2 hours at room temperature. Antigen retrieval was performed in 0.1M sodium citrate buffer and detected using Diaminobenzidine (DAB)