

Rabbit Wnt10a Polyclonal Antibody | anti-WNT10A antibody

Anti-Wnt10a Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA125467	Rabbit	Human, Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

Wnt10a; Polyclonal Antibody; Anti-Wnt10a Antibody; Protein Wnt-10a; WNT10A; anti-WNT10A antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	No cross reactivity with other proteins.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Na ₃ .
Sequence Length	417
Applicable Applications for anti-WNT10A antibody	ELISA (Direct ELISA), FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	E Coli-derived human Wnt10a recombinant protein (Position: N42-K417).
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen store at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES

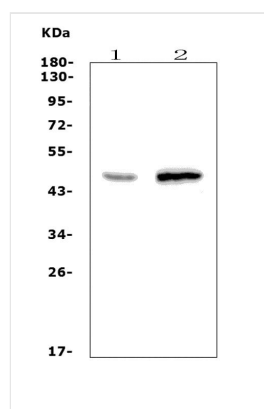
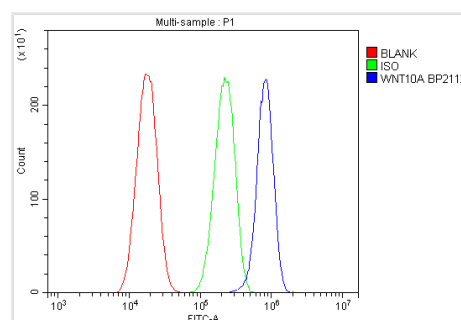

WB (Western Blot)

Figure 1. Western blot analysis of WNT10A using anti-WNT10A antibody.


FCM/FACS (Flow Cytometry)

ADDITIONAL INFORMATION

Related Product Information for anti-WNT10A antibody	Description: Rabbit IgG polyclonal antibody for Wnt10a detection. Tested with WB, FCM, Direct ELISA in Human; Mouse; Rat. Background: Wnt-10a is a protein that in humans is encoded by the WNT10A gene. It is mapped to 2q35. The WNT gene family consists of structurally related genes which encode secreted signaling proteins. These proteins have been implicated in oncogenesis and in several developmental processes, including regulation of cell fate and patterning during embryogenesis. This gene is a member of the WNT gene family. It is strongly expressed in the cell lines of promyelocytic leukemia and Burkitt's lymphoma. In addition, it and another family member, the WNT6 gene, are strongly coexpressed in colorectal cancer cell lines. The gene overexpression may play key roles in carcinogenesis through activation of the WNT-beta-catenin-TCF signaling pathway. This gene and the WNT6 gene are clustered in the chromosome 2q35 region.
References	1. Adaimy, L., Chouery, E., Megarbane, H., Mroueh, S., Delague, V., Nicolas, E., Belguith, H., de Mazancourt, P., Megarbane, A. Mutation in WNT10A is associated with an autosomal recessive ectodermal dysplasia: the odonto-onycho-dermal dysplasia. Am. J. Hum. Genet. 81: 821-828, 2007. 2. Arzoo, P. S., Klar, J., Bergendal, B., Norderyd, J., Dahl, N. WNT10A mutations account for 1/4 of population-based isolated oligodontia and show phenotypic correlations. Am. J. Med. Genet. 164A: 353-359, 2014. 3. Bohring, A., Stamm, T., Spaich, C., Haase, C., Spree, K., Hehr, U., Hoffmann, M., Ledig, S., Sel, S., Wieacker, P., Ropke, A. WNT10A mutations are a frequent cause of a broad spectrum of ectodermal dysplasias with sex-biased manifestation pattern in heterozygotes. Am. J. Hum. Genet. 85: 97-105, 2009.

NCBI AND UNIPROT INFORMATION

NCBI GI #	14424011
NCBI GeneID	80326
UniProt Accession #	Q9GZT5
NCBI Official Full Name	Protein Wnt-10a
NCBI Official Synonym Full Names	Wnt family member 10A
NCBI Official Symbol	WNT10A
NCBI Official Synonym Symbols	OODD; SSPS; STHAG4
NCBI Protein Information	protein Wnt-10a
UniProt Protein Name	Protein Wnt-10a
UniProt Gene Name	WNT10A
UniProt Entry Name	WN10A_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.