

Rabbit Wnt3 Polyclonal Antibody | anti-WNT3 antibody

Wnt3 Antibody

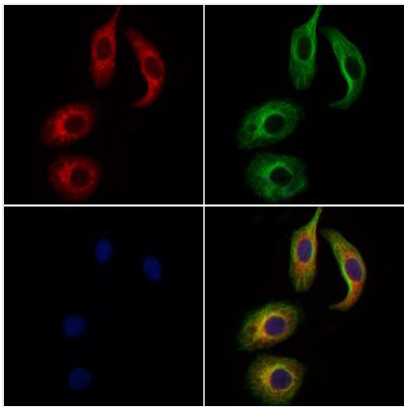
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329014	Rabbit	Human, Mouse, Rat Predicted Reactivity: Pig(100%), Zebrafish(100%), Bovine(100%), Horse(100%), Sheep(100%), Rabbit(100%), Dog(100%), Chicken(100%)	ELISA

PRODUCT SYNONYMS

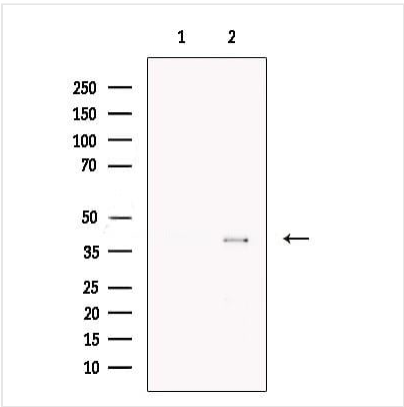
Wnt3; Polyclonal Antibody; Wnt3 Antibody; Int 4; INT4; MGC131950; MGC138321; MGC138323; Proto-oncogene Int-4 homolog; Proto-oncogene Wnt-3; wingless type MMTV integration site family member 3; Wnt 3 proto oncogene protein; WNT 3 proto oncogene protein precursor; wnt3; WNT3_HUMAN; anti-WNT3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Pig(100%), Zebrafish(100%), Bovine(100%), Horse(100%), Sheep(100%), Rabbit(100%), Dog(100%), Chicken(100%)
Clonality	Polyclonal
Isotype	IgG
Specificity	Wnt3 Antibody detects endogenous levels of total Wnt3.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Concentration	1mg/ml (varies by lot)
Sequence Length	355
Applicable Applications for anti-WNT3 antibody	ELISA
Immunogen	A synthesized peptide derived from human Wnt3, corresponding to a region within the internal amino acids.
Fragment	Fab fragment
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



IF (Immunofluorescence)
AAA329014 staining HeLa cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. Samples were then incubated with primary Ab(AAA329014 1:200) and mouse anti-beta tubulin Ab(T0023 1:200) for 1 hour at 37°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody. The nuclear counter stain is DAPI(blue).



WB (Western Blot)
Western blot analysis of extracts from A549, using Wnt3 Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-WNT3 antibody	Function: Ligand for members of the frizzled family of seven transmembrane receptors (Probable). Functions in the canonical Wnt signaling pathway that results in activation of transcription factors of the TCF/LEF family (PubMed:26902720). Required for normal gastrulation, formation of the primitive streak, and for the formation of the mesoderm during early embryogenesis. Required for normal formation of the apical ectodermal ridge (By similarity). Required for normal embryonic development, and especially for limb development (PubMed:14872406).
	Post Translational Modifications: Palmitoleoylation is required for efficient binding to frizzled receptors. Depalmitoleoylation leads to Wnt signaling pathway inhibition.
	Subcellular Location: Secreted>Extracellular space>Extracellular matrix. Secreted.
	Subunit Structure: Forms a soluble 1:1 complex with AFM; this prevents oligomerization and is required for prolonged biological activity (PubMed:26902720). The complex with AFM may represent the physiological form in body fluids (PubMed:26902720). Interacts with PORCN. Interacts with WLS (By similarity).
	Similarity: Belongs to the Wnt family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	16303266
NCBI GeneID	7473
UniProt Accession #	P56703
Molecular Weight	Observed Molecular Weight: (Observed)39kD. Predicted Molecular Weight: (Calculated)40kDa.
NCBI Official Full Name	WNT3
NCBI Official Synonym Full Names	Wnt family member 3
NCBI Official Symbol	WNT3
NCBI Official Synonym Symbols	INT4; TETAMS
NCBI Protein Information	proto-oncogene Wnt-3
UniProt Protein Name	Proto-oncogene Wnt-3

UniProt Gene Name	WNT3
UniProt Synonym Gene Names	INT4
UniProt Entry Name	WNT3_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/polyclonal/wnt3-antibody-elisa/329014>