

Rabbit WNT8B / Wnt 8b Polyclonal Antibody | anti-WNT8B antibody

Rabbit Polyclonal to Human WNT8B / Wnt 8b

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA50821	Rabbit	Human, Monkey, Mouse, Rat, Bat, Bovine, Dog, Hamster, Horse, Pig, Rabbit	Immunohistochemistry

PRODUCT SYNONYMS

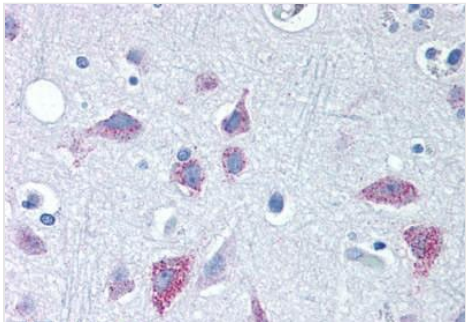
WNT8B / Wnt 8b; Polyclonal Antibody; Rabbit Polyclonal to Human WNT8B / Wnt 8b; Anti-WNT8B / Wnt 8b Antibody (Internal) IHC-plus; WNT8B; Protein Wnt-8b; WNT 8b; Human WNT8B; Wnt 8b; anti-WNT8B antibody

PRODUCT SPECIFICATIONS

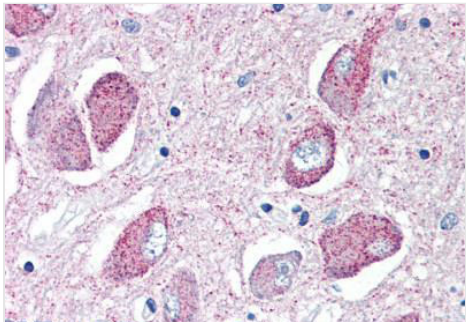
Host	Rabbit
Reactivity	Human, Monkey, Mouse, Rat, Bat, Bovine, Dog, Hamster, Horse, Pig, Rabbit
Clonality	Polyclonal
Specificity	Human WNT8B. BLAST analysis of the peptide immunogen showed no homology with other human proteins.
Purity/Purification	Immunoaffinity Purified
Form/Format	PBS, less than 0.1% sodium azide.
Concentration	1 mg/ml (varies by lot)
Sequence Length	351
Applicable Applications for anti-WNT8B antibody	IHC (Immunohistochemistry)
Family/Subfamily	WNT/not assigned-WNT
Immunogen Description	Synthetic 16 amino acid peptide from internal region of human WNT8B. Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon, Monkey, Mouse, Rat, Dog, Bovine, Bat, Hamster, Elephant, Panda, Horse, Rabbit, Pig (100%).
Immunogen Type	Synthetic peptide
Immunogen	WNT8B / Wnt 8b antibody was raised against synthetic 16 amino acid peptide from internal region of human WNT8B. Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon, Monkey, Mouse, Rat, Dog, Bovine, Bat, Hamster, Elephant, Panda, Horse, Rabbit, Pig (100%); Opossum, Platypus (94%); Marmoset (88%).
Epitope	Internal
Disclaimer	Due to the highly specific nature of antibodies and antigens, we cannot predict or be held responsible with respect to how this antibody will behave in your systems. Researchers using this antibody should conduct optimization studies to achieve the most optimal result possible for their intended application.

Recommended Immunohistochemistry Protocol	The following protocol is a recommendation only, and AAA Biotech makes no guarantee of the results: Tissue Preparation: Formalin fixation and embedding in paraffin wax. Tissue Sectioning: Make 4-um sections and place on pre-cleaned and charged microscope slides. Heat in a tissue-dryingoven for 45 minutes at 60°C. Deparaffinization: Wash dry slides in 3 changes of xylene - 5 minutes each @ RT Rehydration: Wash slides in 3 changes of 100% alcohol - 3 minutes each @ RT Wash slides in 2 changes of 95% alcohol - 3 minutes each @ RT Wash slides in 1 change of 80% alcohol - 3 minutes @ RT Rinse slides in gentle running distilled water - 5 minutes @ RT Antigen retrieval: Steam slides in 0.01 M sodium citrate buffer, pH 6.0 at 99-100°C - 20 minutes Remove from heat and let stand at room temperature in buffer - 20 minutes Rinse in 1X TBS with Tween (TBST) -1 minute @ RT Immunostaining: (Do not allow tissues to dry at any time during the staining procedure) Apply a universal protein block - 20 minutes @ RT Drain protein block from slides, apply diluted primary antibody - 45 minutes @ RT Rinse slides in 1 X TBST - 1 minute @ RT Apply a biotinylated secondary antibody appropriate for the primary antibody - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase streptavidin - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase chromogen substrate - 30 minutes @ RT Wash slides in distilled water - 1 minute @ RT Dehydrate: (This method should only be used if the chromogen substrate is alcohol insoluble (e.g. Vector Red, DAB) Wash slides in 2 changes of 80% alcohol - 1 minute each @ RT Wash slides in 2 changes of 95% alcohol - 1 minute each @ RT Wash slides in 3 changes of 100% alcohol - 1 minute each @ RT Wash slides in 3 changes of xylene - 1 minute each @ RT Apply coverslip Preparation and Storage
	Aliquot and store undiluted at -20 degree C or below for up to 1 year. Can be stored undiluted at 4 degree C for up to 1 month. Avoid freeze thaw cycles.

IMAGES



IHC (Immunohiostchemistry)
Anti-WNT8B antibody IHC of human brain, cortex. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



IHC (Immunohistochemistry)
Anti-WNT8B antibody IHC of human brain, basal nucleus of Meynert. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

ADDITIONAL INFORMATION

Related Product Information for anti-WNT8B antibody	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 encodes a protein which shows 95%, 86% and 71% amino acid identity to the mouse, zebrafish and Xenopus Wnt8B proteins, respectively. The expression patterns of the human and mouse genes appear identical and are restricted to the developing brain. The chromosomal location of this gene to 10q24 suggests it as a candidate gene for partial epilepsy.
Product Categories/Family for anti-WNT8B antibody	Family: WNT

NCBI AND UNIPROT INFORMATION

NCBI GI #	110735437
NCBI GeneID	7479
NCBI Accession #	NP_003384.2
NCBI GenBank Nucleotide #	NM_003393.3
UniProt Accession #	Q93098; O00771; Q5VX55; Q8WYK9
Molecular Weight	38,721 Da
NCBI Official Full Name	protein Wnt-8b
NCBI Official Synonym Full Names	wingless-type MMTV integration site family, member 8B
NCBI Official Symbol	WNT8B
NCBI Protein Information	protein Wnt-8b
UniProt Protein Name	Protein Wnt-8b
UniProt Gene Name	WNT8B
UniProt Entry Name	WNT8B_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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/wnt8b-wnt-8b-antibody-immunohistochemistry-elisa/50821>