

Rabbit Connexin 32 Polyclonal Antibody | anti-CX32 antibody

Connexin 32 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA321817	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

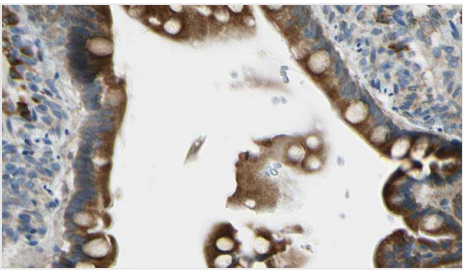
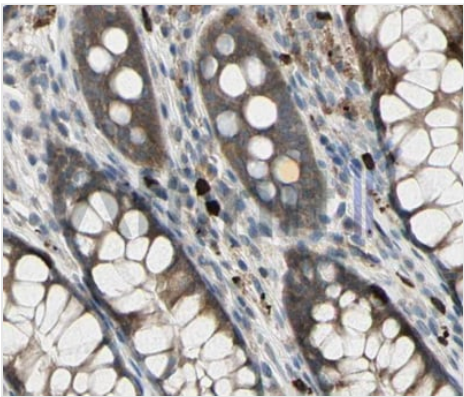
PRODUCT SYNONYMS

Connexin 32; Polyclonal Antibody; Connexin 32 Antibody; Charcot Marie Tooth neuropathy X linked; CMTX 1; CMTX; CMTX1; Connexin-32; Connexin32; CX 32; CXB1_HUMAN; GAP junction 28 kDa liver protein; Gap junction beta 1 protein; Gap junction beta-1 protein; Gap junction protein beta 1 32kD; Gap junction protein beta 1; GJB 1; GJB1; anti-CX32 antibody

PRODUCT SPECIFICATIONS

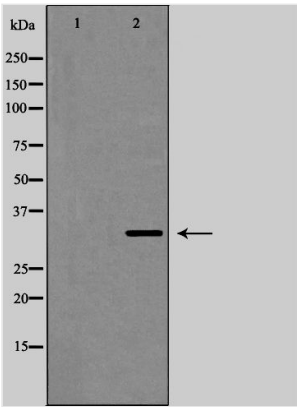
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	Connexin 32 antibody detects endogenous levels of total Connexin 32
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	283
Applicable Applications for anti-CX32 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human Connexin 32
Subcellular Location	Cell Membrane. Cell Junction > Gap Junction.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (90%), Dog (100%), Chicken (80%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA321817 at 1/100 staining Mouse intestine tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

IHC (Immunohistochemistry)
AAA321817 at 1/100 staining human colon tissues sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 123 degree



WB (Western Blot)
Western blot analysis of Connexin 32 expression in LOVO cells, The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-CX32 antibody

Description: A form of Charcot-Marie-Tooth disease, a disorder of the peripheral nervous system, characterized by progressive weakness and atrophy, initially of the peroneal muscles and later of the distal muscles of the arms. Charcot-Marie-Tooth disease is classified in two main groups on the basis of electrophysiologic properties and histopathology.

Function: One gap junction consists of a cluster of closely packed pairs of transmembrane channels, the connexons, through which materials of low MW diffuse from one cell to a neighboring cell.

Subunit Structure: A connexon is composed of a hexamer of connexins. Interacts with CNST (By similarity).

Similarity: Belongs to the connexin family. Beta-type (group I) subfamily.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504005
NCBI GeneID	2705
NCBI Accession #	NP_000157.1
NCBI GenBank Nucleotide #	NM_000166.5
UniProt Accession #	P08034; Q5U0S4; B2R8R2; D3DVV2
Molecular Weight	Observed: 32 kDa Predicted: 33 kDa

NCBI Official Full Name	gap junction beta-1 protein
NCBI Official Synonym Full Names	gap junction protein beta 1
NCBI Official Symbol	GJB1
NCBI Official Synonym Symbols	CMTX; CX32; CMTX1
NCBI Protein Information	gap junction beta-1 protein
UniProt Protein Name	Gap junction beta-1 protein
UniProt Gene Name	GJB1
UniProt Synonym Gene Names	CX32; Cx32

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://stage.aaabiotech.com/polyclonal/connexin-32-antibody-immunohistochemistry-western-blot-elisa/321817>