

Rabbit anti-Human CXG2 Polyclonal Antibody | anti-CXG2 antibody

CXG2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324745	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

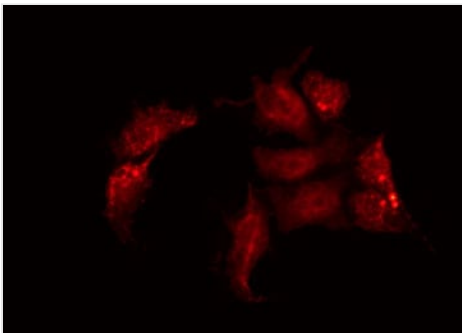
PRODUCT SYNONYMS

CXG2; Polyclonal Antibody; CXG2 Antibody; B230382L12Rik; Connexin 46.6; Connexin 47; Connexin-46.6; Connexin-47; Connexin46.6; Connexin47; CX 46.6; Cx 47; Cx46.6; Cx47; CXG2_HUMAN; Gap junction alpha 12 protein; Gap junction alpha-12 protein; Gap junction gamma 2 protein; Gap junction gamma-2 protein; Gap junction protein alpha 12 47kDa; Gap junction protein gamma 2 47kDa; GAP JUNCTION PROTEIN; 47-KD; gap junction protein; gamma 12; 47kDa; gamma 2; GJA 12; GJA12; GJC 2; Gjc2; HLD 2; HLD2; LMPH1C; MGC105119; MGC130506; OTTHUMP00000037763; PMLDAR; SPG44; anti-CXG2 antibody

PRODUCT SPECIFICATIONS

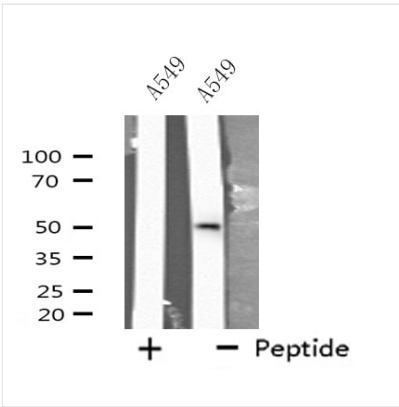
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	CXG2 antibody detects endogenous levels of total CXG2
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	439
Applicable Applications for anti-CXG2 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Cell Membrane. Cell Junction > Gap Junction.
Tissue Specificity	Expressed in central nervous system, in sciatic nerve and sural nerve. Also detected in skeletal muscles.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA324745 staining A549 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from A549 cells, using CXG2 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CXG2 antibody

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. May play a role in myelination in central and peripheral nervous systems.
Subunit Structure: A connexon is composed of a hexamer of connexins. Interacts with TJP1 (By similarity).
Similarity: Belongs to the connexin family. Gamma-type subfamily.

NCBI AND UNIPROT INFORMATION

NCBI GI #	45439367
NCBI GeneID	57165
NCBI Accession #	NP_065168.2
NCBI GenBank Nucleotide #	NM_020435.3
UniProt Accession #	Q5T442; O43440; Q7Z7J2; Q8IWJ9
Molecular Weight	Observed: 47 kD Predicted: 48 kDa
NCBI Official Full Name	gap junction gamma-2 protein
NCBI Official Synonym Full Names	gap junction protein gamma 2
NCBI Official Symbol	GJC2
NCBI Official Synonym Symbols	Cx47; HLD2; GJA12; SPG44; CX46.6; LMPH1C; PMLDAR
NCBI Protein Information	gap junction gamma-2 protein
UniProt Protein Name	Gap junction gamma-2 protein
UniProt Gene Name	GJC2
UniProt Synonym Gene Names	GJA12; Cx46.6; Cx47

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.