

Rabbit GJA4 Polyclonal Antibody | anti-GJA4 antibody

GJA4 Antibody

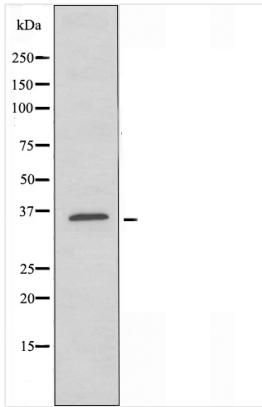
CATALOG # AAA324746	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunocytochemistry, Immunofluorescence, Western Blot
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PRODUCT SYNONYMS

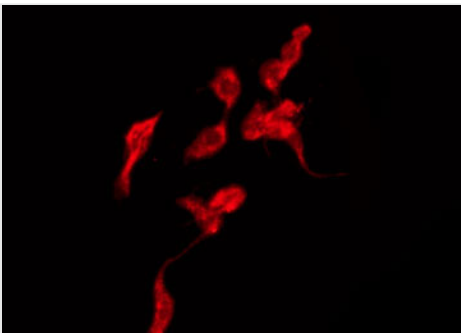
GJA4; Polyclonal Antibody; GJA4 Antibody; Connexin 37; Connexin-37; Cx37; CXA4_HUMAN; Gap junction alpha 4 protein; Gap junction alpha-4 protein; gap junction protein; alpha 4 37kDa (connexin 37); alpha 4; 37kD (connexin 37); Gap junction protein; 37kDa; Gja4; OTTHUMP00000004181; OTTHUMP00000004182; anti-GJA4 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	GJA4 antibody detects endogenous levels of total GJA4
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	333
Applicable Applications for anti-GJA4 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 multiple organs and tissues, including heart, uterus, ovary, and blood vessel endothelium.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Bovine (100%), Horse (92%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%), Xenopus (92%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



WB (Western Blot)
Western blot analysis of extracts from Jurkat cells, using GJA4 antibody.



IF (Immunofluorescence)
AAA324746 staining HeLa 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.

ADDITIONAL INFORMATION

Related Product Information for anti-GJA4 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. Subunit Structure: A connexon is composed of a hexamer of connexins. Similarity: Belongs to the connexin family. Alpha-type (group II) subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	62865885
NCBI GeneID	2701
NCBI Accession #	NP_002051.2
NCBI GenBank Nucleotide #	NM_002060.2
UniProt Accession #	P35212; Q9P106; Q9UBL1; Q9UNA9; Q9UNB0; Q9UNB1; Q9Y5N7; A8K698; D3DPR4
Molecular Weight	Observed: 37 kD Predicted: 38 kDa
NCBI Official Full Name	gap junction alpha-4 protein
NCBI Official Synonym Full Names	gap junction protein alpha 4
NCBI Official Symbol	GJA4
NCBI Official Synonym Symbols	CX37
NCBI Protein Information	gap junction alpha-4 protein
UniProt Protein Name	Gap junction alpha-4 protein
UniProt Gene Name	GJA4
UniProt Synonym Gene Names	Cx37

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.