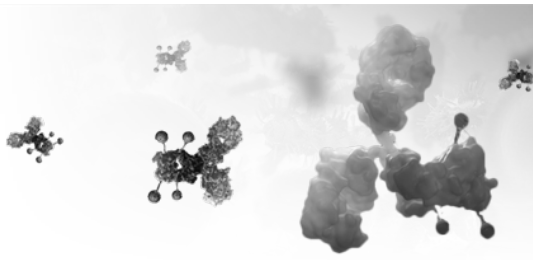

Anti-GJB1 (aa 265-279) polyclonal antibody (CPBT-31770SH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Sheep Polyclonal antibody to Human GJB1.
Antigen Description	This gene encodes a member of the gap junction protein family. The gap junction proteins are membrane-spanning proteins that assemble to form gap junction channels that facilitate the transfer of ions and small molecules between cells. According to sequence similarities at the nucleotide and amino acid levels, the gap junction proteins are divided into two categories, alpha and beta. Mutations in this gene cause X-linked Charcot-Marie-Tooth disease, an inherited peripheral neuropathy. Alternatively spliced transcript variants encoding the same protein have been found for this gene.
Immunogen	Synthetic peptide: KRSPGTGAGLAEKSDR conjugated to KLH, corresponding to amino acids 265-279 of GJB1.
Isotype	IgG
Source/Host	Sheep
Species Reactivity	Rat, Human
Purification	Immunogen affinity purified
Conjugate	Unconjugated
Applications	WB, IHC-Fr
Sequence Similarities	Belongs to the connexin family. Beta-type (group I) subfamily.
Cellular Localization	Cell membrane. Cell junction # gap junction.
Format	Liquid

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Size	100 µl
Buffer	Preservative: 15mM Sodium Azide Constituents: 1% BSA, 0.01M PBS (pH7.4)
Preservative	15mM Sodium Azide
Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

GENE INFORMATION

Gene Name	GJB1 gap junction protein, beta 1, 32kDa [Homo sapiens]
Official Symbol	GJB1
Synonyms	GJB1; gap junction protein, beta 1, 32kDa; CMTX, CMTX1,gap junction protein, beta 1, 32kD (connexin 32, Charcot Marie Tooth neuropathy, X linked) ,gap junction protein, beta 1, 32kDa (connexin 32) ,gap junction protein, beta 1, 32kDa (connexin 32, Charcot Marie Tooth neuropathy, X linked); gap junction beta-1 protein; Charcot Marie Tooth neuropathy; X linked; connexin 32; CX32; Charcot Marie Tooth neuropathy X linked; CMTX 1; CMTX; CMTX1; Connexin 32; Connexin-32; Connexin32; CX 32; CX32; 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; Gap junction protein beta-1 32kD; GJB 1; GJB1; connexin-32; OTTHUMP00000023502; OTTHUMP00000023503; OTTHUMP00000023504; GAP junction 28 kDa liver protein; CMTX; CMTX1;
Entrez Gene ID	2705
Protein Refseq	NP_000157
UniProt ID	P08034
Chromosome Location	Xq13.1
Pathway	Calcium Regulation in the Cardiac Cell, organism-specific biosystem; Gap junction assembly, organism-specific biosystem; Gap junction trafficking, organism-specific biosystem; Gap junction trafficking and regulation, organism-specific biosystem; Membrane Trafficking, organism-specific biosystem; Oligomerization of connexins into connexons, organism-specific biosystem; Transport of connexins along the secretory pathway, organism-specific biosystem;
Function	gap junction channel activity; protein homodimerization activity;

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