



Anti-PANX1 monoclonal antibody (DCABH-12790)

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

PRODUCT INFORMATION

Antigen Description	The protein encoded by this gene belongs to the innexin family. Innexin family members are the structural components of gap junctions. This protein and pannexin 2 are abundantly expressed in central nerve system (CNS) and are coexpressed in various neuronal populations. Studies in <i>Xenopus</i> oocytes suggest that this protein alone and in combination with pannexin 2 may form cell type-specific gap junctions with distinct properties.
Immunogen	A synthetic peptide of human PANX1 is used for rabbit immunization.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Protein A
Conjugate	Unconjugated
Applications	Western Blot (Transfected lysate); ELISA
Buffer	In 1x PBS, pH 7.4
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name [PANX1 pannexin 1 \[Homo sapiens \]](#)

Official Symbol	PANX1
Synonyms	PANX1; pannexin 1; pannexin-1; innexin; MRS1; PX1; UNQ2529; MGC21309;
Entrez Gene ID	24145
Protein Refseq	NP_056183
UniProt ID	A0A024R397
Chromosome Location	11q14-q21
Pathway	Electric Transmission Across Gap Junctions, organism-specific biosystem; Immune System, organism-specific biosystem; Inflammasomes, organism-specific biosystem; Innate Immune System, organism-specific biosystem; Neuronal System, organism-specific biosystem; Nucleotide-binding domain, leucine rich repeat containing receptor (NLR) signaling pathways, organism-specific biosystem; The NLRP3 inflammasome, organism-specific biosystem;
Function	calcium channel activity; gap junction hemi-channel activity; ion channel activity; leak channel activity; protein heterodimerization activity; receptor binding;