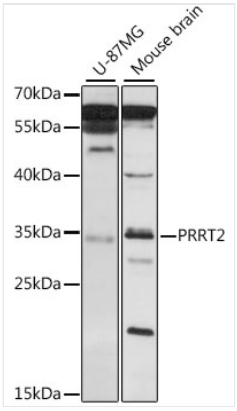
PRRT2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PRRT2, Polyclonal Antibody
Full Product Name	PRRT2 Polyclonal Antibody
Product Gene Name	anti-PRRT2 antibody
Product Synonym Names	PRRT2; BFIC2; BFIS2; DSPB3; DYT10; EKD1; FICCA; ICCA; IFITMD1; PKC; proline-rich transmembrane protein 2
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Purity/Purification	Affinity Purification
Concentration	2.53 mg/ml (lot specific)
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.
Molecular Weight	Calculated: 30kDa; 34kDa; 40kDa Observed: 35kDa
OMIM	phenotype 614386
3D Structure	ModBase 3D Structure for Q7Z6L0
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 20-130 of human PRRT2 (NP_660282.2).
Immunogen Sequence	VPGEGPGHSEAETGPPQVLAGVPDQPEAPQPGPNTTAAPVDSGPKAGLAPETTETPAGASETAQATDLSLSPGGESKANCSPEDPCQETVSKPEVSKE
Positive Samples	U-87MG, Mouse Brain
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-PRRT2 antibody	Western Blot (WB)
Application Notes for anti-PRRT2 antibody	WB: 1:500-1:2000
Related Product Information for anti-PRRT2 antibody	This gene encodes a transmembrane protein containing a proline-rich domain in its N-terminal half. Studies in mice suggest that it is predominantly exp spinal cord in embryonic and postnatal stages. Mutations in this gene are associated with episodic kinesigenic dyskinesia-1. Alternatively spliced transc encoding different isoforms have been found for this gene.

Other Notes	Small volumes of anti-PRRT2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If neces centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional apply.
Searchable Terms for PRRT2 purchase	MBS9140678 is an antibody targeting PRRT2. Also known as PRRT2 Polyclonal Antibody. Reactive in Human, Mouse. Host: Rabbit.



Western Blot (WB) of anti-PRRT2 antibody
Western blot-PRRT2 Polyclonal Antibody

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PRRT2. It may not necessarily be applicable to this product.

NCBI GI #	374253783
NCBI GeneID	112476
NCBI Accession #	NP_001243371
UniProt Primary Accession #	Q7Z6L0
UniProt Related Accession #	Q7Z6L0
GenBank Nucleotide #	NP_001243371.1
NCBI Official Full Name	proline-rich transmembrane protein 2 isoform 2
NCBI Official Synonym Full Names	proline rich transmembrane protein 2
NCBI Official Symbol	PRRT2
NCBI Official Synonym Symbols	PKC; EKD1; ICCA; BFIC2; BFIS2; DSPB3; DYT10; FICCA; IFITMD1
UniProt Protein Name	Proline-rich transmembrane protein 2
UniProt Synonym Protein Names	Dispanin subfamily B member 3; DSPB3
Protein Family	Proline-rich transmembrane protein
UniProt Gene Name	PRRT2
UniProt Synonym Gene Names	DSPB3
UniProt Entry Name	PRRT2_HUMAN
NCBI Protein Information	proline-rich transmembrane protein 2

UniProt Comments for PRRT2	PRRT2: Defects in PRRT2 are the cause of episodic kinesigenic dyskinesia type 1 (EKD1). An autosomal dominant neurologic condition characterized by recurrent and brief attacks of abnormal involuntary movements, triggered by sudden voluntary movement. These attacks usually have onset during childhood or early adulthood and can involve dystonic postures, chorea, or athetosis. Disease-causing mutations that produce truncation of the C-terminus of the protein alter subcellular location, from plasma membrane to cytosplasm (PubMed:22101681). Defects in PRRT2 are the cause of convulsions, familial infantile, with paroxysmal choreoathetosis (ICCA). A syndrome characterized by clinical features of benign familial infantile seizures and episodic kinesigenic dyskinesia. Benign familial infantile seizures is a disorder characterized by afebrile seizures occurring during the first year of life, without neurologic sequelae. Paroxysmal choreoathetosis is a disorder of involuntary movements characterized by attacks that occur spontaneously or are induced by a variety of stimuli. Defects in PRRT2 are the cause of seizures, benign familial infantile type 2 (BFIS2). An autosomal dominant disorder in which afebrile seizures occur in clusters during the first year of life, without neurologic sequelae. Belongs to the CD225/Dispanin family. 3 isoforms of the human protein are produced by alternative splicing. Protein type: Membrane protein, integral; Membrane protein, multi-pass Chromosomal Location of Human Ortholog: 16p11.2 Cellular Component: integral to membrane; plasma membrane; synapse; cell junction Biological Process: neuromuscular process controlling posture; response to biotic stimulus Disease: Episodic Kinesigenic Dyskinesia 1
Research Articles on PRRT2	**1.** Benign infantile epilepsy with PRRT2 mutation is characterized by early onset of seizure mostly before 6 months, focal seizures with or without secondary generalization, a high incidence of a cluster of seizures, rapid resolution of seizure by antiepileptic drugs and cessation of seizure mostly before 2 years of age; most PRRT2 gene mutations are heterozygous mutations, and a few are the overall deletion of PRRT2 gene
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