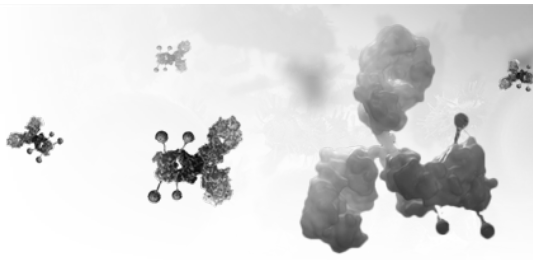

Anti-ITPR1 (aa 2470-2577) polyclonal antibody (DPAB-DC1752)

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

PRODUCT INFORMATION

Antigen Description	This gene encodes an intracellular receptor for inositol 1,4,5-trisphosphate. Upon stimulation by inositol 1,4,5-trisphosphate, this receptor mediates calcium release from the endoplasmic reticulum. Mutations in this gene cause spinocerebellar ataxia type 15, a disease associated with an heterogeneous group of cerebellar disorders. Multiple transcript variants have been identified for this gene.
Immunogen	ITPR1 (NP_002213, 2470 a.a. ~ 2577 a.a) partial recombinant protein with GST tag. The sequence is EHTCETLLMCIVTVLSHGLRSGGGVGDVLRKPSKEEPLFAARVIYDLLFFFMVIIIVLNL IFGVIIDTFADLRSEKQKKEEILKTTCFICGLERDKFDNKTVTFEEHI
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

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Gene Name	ITPR1 inositol 1,4,5-trisphosphate receptor, type 1 [Homo sapiens (human)]
Official Symbol	ITPR1
Synonyms	ITPR1; inositol 1,4,5-trisphosphate receptor, type 1; ACV; CLA4; IP3R; IP3R1; SCA15; SCA16; SCA29; INSP3R1; PPP1R94; inositol 1,4,5-trisphosphate receptor type 1; IP3R 1; IP3 receptor; type 1 InsP3 receptor; inositol 1,4,5-triphosphate receptor, type 1; protein phosphatase 1, regulatory subunit 94; type 1 inositol 1,4,5-trisphosphate receptor;
Entrez Gene ID	3708
Protein Refseq	NP_001093422
UniProt ID	B4DER3
Chromosome Location	3p26.1
Pathway	Adaptive Immune System; Alzheimers Disease; B Cell Receptor Signaling Pathway; Calcium Regulation in the Cardiac Cell
Function	calcium ion transmembrane transporter activity; inositol 1,4,5-trisphosphate-sensitive calcium-release channel activity; intracellular ligand-gated calcium channel activity; phosphatidylinositol binding

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