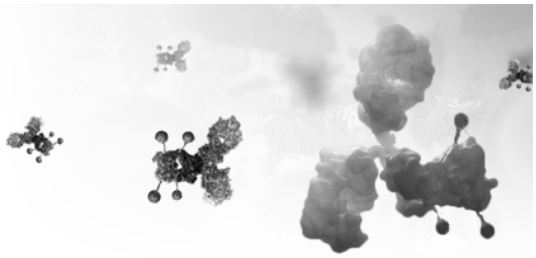

Anti-ITPR3 polyclonal antibody (DPAB-DC1754)

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

PRODUCT INFORMATION

Antigen Description	This gene encodes a receptor for inositol 1,4,5-trisphosphate, a second messenger that mediates the release of intracellular calcium. The receptor contains a calcium channel at the C-terminus and the ligand-binding site at the N-terminus. Knockout studies in mice suggest that type 2 and type 3 inositol 1,4,5-trisphosphate receptors play a key role in exocrine secretion underlying energy metabolism and growth.
Specificity	No cross-reactivity expected with other types of ITPR.
Immunogen	A synthetic peptide corresponding to human ITPR3. The sequence is C-DKKERPTDEEGFLH
Source/Host	Goat
Species Reactivity	Human
Purification	Antigen affinity purification
Conjugate	Unconjugated
Applications	ELISA,
Format	Liquid
Concentration	0.5 mg/mL
Size	100 µg
Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Preservative	0.02% Sodium Azide
Storage	Store at -20°C.Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

Gene Name	ITPR3 inositol 1,4,5-trisphosphate receptor, type 3 [Homo sapiens (human)]
Official Symbol	ITPR3
Synonyms	ITPR3; inositol 1,4,5-trisphosphate receptor, type 3; IP3R; IP3R3; inositol 1,4,5-trisphosphate receptor type 3; insP3R3; IP3 receptor; type 3 InsP3 receptor; inositol 1,4,5-triphosphate receptor, type 3;
Entrez Gene ID	3710
Protein Refseq	NP_002215
UniProt ID	A6H8K3
Chromosome Location	6p21
Pathway	Adaptive Immune System; Alzheimers Disease; Ca2+ pathway; Calcium signaling pathway.
Function	inositol 1,3,4,5 tetrakisphosphate binding; inositol 1,4,5 trisphosphate binding; inositol 1,4,5-trisphosphate-sensitive calcium-release channel activity; inositol hexakisphosphate binding

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