

## Goat anti-ITPR2 Antibody

<b>Item Number</b>	dAP-0767
<b>Target Molecule</b>	Principle Name: ITPR2; Official Symbol: ITPR2; All Names and Symbols: ITPR2; inositol 1,4,5-triphosphate receptor, type 2 ; HGNC:6181; IP3R2; Accession Number (s): NP_002214.2; Human Gene ID(s): 3709; Non-Human GeneID(s): 16439 (mouse) 81678 (rat)
<b>Immunogen</b>	PIEESNILSPVQD, is from internal region No cross-reactivity expected with other types of ITPR.
<b>Applications</b>	Pep ELISA, IHC  Species Tested: Human
<b>Purification</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Supplied As</b>	lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
<b>Peptide ELISA</b>	Peptide ELISA: antibody detection limit dilution 1 to 128000.
<b>Western Blot</b>	Western Blot: Preliminary experiments gave an approx 28-30kDa band in Human Heart lysates after 0.1µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the band we observe given the calculated size of 30
<b>IHC</b>	Immunohistochemistry: Paraffin embedded Human Kidney, Skin and Heart. Recommended concentration: 3.75µg/ml.

**Reference**      Reference(s): Futatsugi A, Nakamura T, Yamada MK, Ebisui E, Nakamura K, Uchida K, Kitaguchi T, Takahashi-Iwanaga H, Noda T, Aruga J, Mikoshiba K. IP3 receptor types 2 and 3 mediate exocrine secretion underlying energy metabolism. Science. 2005 Sep 30;309(5744):2232-4. .PMID: 16195467 ->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**