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Research Use Only. Not for diagnostic or therapeutic use.

EB07063 - Goat Anti-ITPR2 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: ITPR2, inositol 1,4,5-triphosphate receptor, type 2, HGNC:6181, IP3R2

Official Symbol: ITPR2

Accession Number(s): NP_002214.2

Human GeneID(s): 3709

Non-Human GeneID(s): 16439 (mouse), 81678 (rat)

Important Comments: No cross-reactivity expected with other types of ITPR.

Immunogen

Peptide with sequence C-PIEESNILSPVQD, from the internal region of the protein sequence according to NP_002214.2.

Please note the peptide is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 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.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:128000.

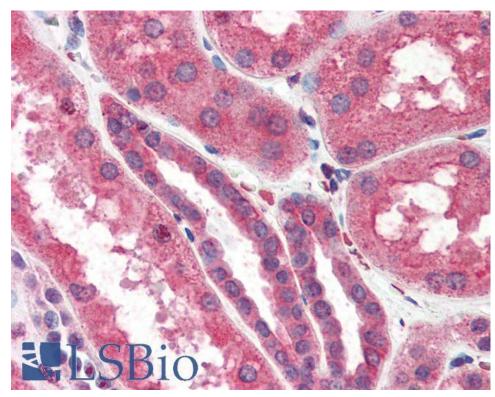
Western blot: Preliminary experiments gave an approx 28-30kDa band in Human Heart lysates after 0.1µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the band we observe given the calculated size of 308kDa according to NP_002214.2. The 28-30kDa band was successfully blocked by incubation with the immunizing peptide.

IHC: Paraffin embedded Human Kidney, Skin and Heart. Recommended concentration: 3.75µg/ml.

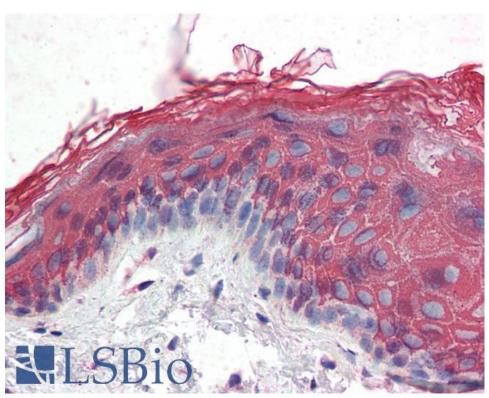
Species Reactivity

Tested: Human

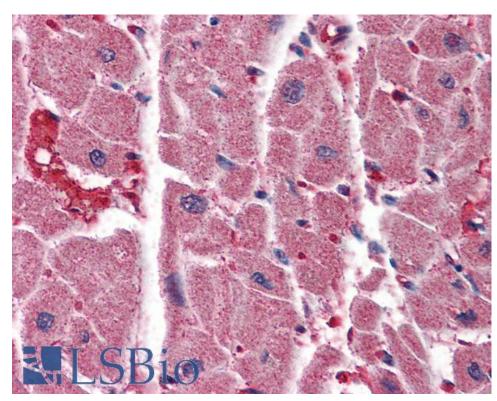
Expected from sequence similarity: Human, Mouse, Rat, Dog, Cow



EB07063 (3.75 μ g/ml) staining of paraffin embedded Human Kidney. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



EB07063 (3.75μg/ml) staining of paraffin embedded Human Skin. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



EB07063 (3.75 μ g/ml) staining of paraffin embedded Human Heart. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.