www.everestbiotech.com
Email: customerservice@vectorlabs.com
Telephone: (650) 697-3600

GOAT ANTI-TRPC7 ANTIBODY

SKU: EB09257

SPECIFICATIONS

Formulation	Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Unit Size	100 µg
Storage Instructions	Aliquot and store at -20°C. Minimize freezing and thawing.
Synonym / Alias Names	putative capacitative calcium channel|likley ortholog of mouse transient receptor potential cation channel, subfamily C, member 7|TRP7|transient receptor potential cation channel, subfamily C, member 7|TRPC7
Usage Summary	Immunoprecipitation: This antibody has been successfully used in IP on lysates of Chicken Embryo Heart (Sabourin et al,; PMID: 21672930).
Accession ID	NP_065122.1; NP_001161049.1; NP_001161048.1; NP_001363830.1
Blocking Peptide	EBP09257
Immunogen	Peptide with sequence KLCKSKAKSCEND, from the internal region of the protein sequence according to NP_065122.1; NP_001161049.1; NP_001161048.1; NP_001363830.1.
Product Comments	This antibody is expected to cross-react with isoform 1, 2 and 3 (NP_065122.1; NP_001161049.1; NP_001161048.1).
Peptide Sequence	KLCKSKAKSCEND
Purification Method	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Shipping Instructions	Refrigerated
Predicted Species	Human, Mouse, Rat, Dog, Cow
Reactive Species	Chicken, Mouse
Human Gene ID	57113
Mouse Gene ID	26946
Rat Gene ID	282822
Product Grade	https://prod-vector-labs-pimcore-assets.s3.us-east-1.amazonaws.com/assets/products/image/elite_medium.png

ELISA Detection Limit	Antibody detection limit dilution 1:32000.
Western Blot	A 95kDa band was observed in Chicken Embryo Heart atrial and ventricular myocyte lysates (Sabourin et al,; PMID 21672930). This antibody has been successfully used in WB on Mouse (Murtaza et al.; PMID: 32882106).
Application Type	Pep-ELISA, WB, IP

SELECTED REFERENCES

[{"pmid": 21672930, "intro": "**This antibody has been successfully used in WB and IP on Chicken:**", "title": "A key role of TRPC channels in the regulation \r\nof electromechanical activity of the developing heart.", "author": "Sabourin J, Robin E, Raddatz E.", "journal": "Cardiovasc Res. 2011 Jun 13. [Epub ahead of print]"}, {"pmid": 22692208, "intro": "**This antibody has been successfully used in WB on Chicken:**", "title": "Activation of Transient Receptor Potential Canonical 3 (TRPC3)-mediated Ca2+ Entry by A1 Adenosine Receptor in Cardiomyocytes Disturbs Atrioventricular Conduction.", "author": "Sabourin J, Antigny F, Robin E, Frieden M, Raddatz E.", "journal": "J Biol Chem. 2012 Aug 3;287(32):26688-701."}, {"pmid": 32882106, "intro": "**This antibody has been successfully used in WB on Mouse:**", "title": "Implication of TRPC3 channel in gustatory perception of dietary lipids", "author": "Babar Murtaza, Aziz Hichami, Amira S Khan, Jiri Plesnik, Omar Sery, Alexander Dietrich, Lutz Birnbaumer, Naim A Khan", "journal": "Acta Physiol (Oxf). 2020 Sep 3;e13554. doi: 10.1111/apha.13554."}]

DOCUMENTS

- Data Sheet