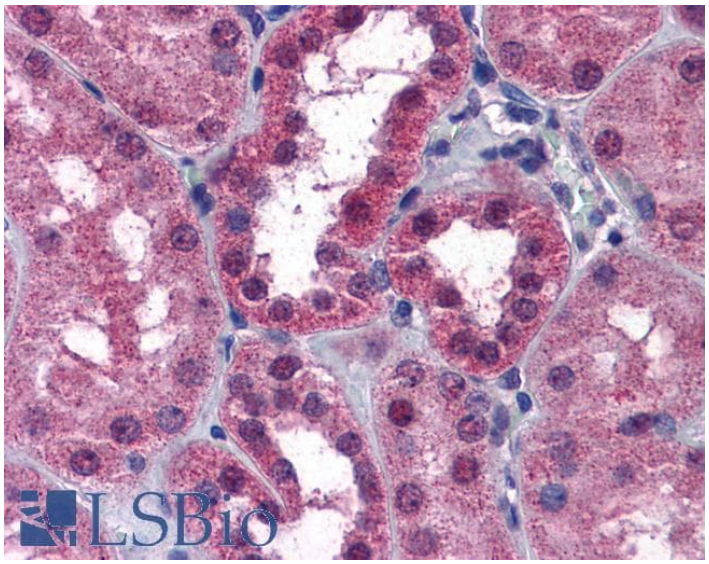
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GOAT ANTI-P2RX7 / P2X7 RECEPTOR ANTIBODY

SKU: EB09509



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	purinergic receptor P2X7|P2Z receptor|P2X7 receptor|P2X purinoceptor 7|ATP receptor|P2X7|MGC20089|purinergic receptor P2X, ligand-gated ion channel, 7|P2RX7
Usage Summary	Immunofluorescence: Strong expression of the protein seen in the cytoplasm and plasma membranes of HeLa cells. Recommended concentration: 10µg/ml. This antibody has been successfully used in IF on Mouse: Thaler R et al. (2015) PMID: 25491310. Flow Cytometry: Flow cytometric analysis of HeLa cells. Recommended concentration: 10ug/ml.
Accession ID	NP_002553.3
Blocking Peptide	EBP09509
Immunogen	Peptide with sequence YETNKVTRIQSMNY-C, from the N Terminus of the protein sequence according to NP_002553.3.
Peptide Sequence	YETNKVTRIQSMNY-C

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
Reactive Species	Human, Mouse
Human Gene ID	5027
Mouse Gene ID	18439
Rat Gene ID	29665
Product Grade	https://prod-vector-labs-pimcore-assets.s3.us-east-1.amazonaws.com/assets/products/image/elite_plus_medium.png
IHC Results	In paraffin embedded Human Brain Cortex shows membranous staining of cell bodies and processes. Recommended concentration: 3-6µg/ml. Paraffin embedded Human Kidney. Recommended concentration: 3.75µg/ml.
ELISA Detection Limit	Antibody detection limit dilution 1:16000.
Western Blot	Approx 37kDa and 70kDa band observed in Human Brain (Frontal Cortex) lysates (calculated MW of 68.6kDa according to NP_002553.2). Recommended concentration: 1-3µg/ml. Primary incubation was an 1 hour. An additional band of unknown identity was also consistently observed at 37kDa. This band was successfully blocked by incubation with the immunizing peptide.
Application Type	Pep-ELISA, WB, IHC, IF, FC

SELECTED REFERENCES

[{"pmid": 25491310, "intro": "**This antibody has been successfully used in IF on Mouse:**", "title": "Acute-phase protein serum amyloid A3 is a novel paracrine coupling factor that controls bone homeostasis.", "author": "Thaler R, Sturmlechner I, Spitzer S, Riester SM, Rumpler M, Zwerina J, Klaushofer K, van Wijnen AJ, Varga F.", "journal": "FASEB J. 2015 Apr;29(4):1344-59."}]

DOCUMENTS

- Data Sheet

GALLERY IMAGES

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