

For Research Use Only

PTGER2 Recombinant monoclonal antibody, PBS Only

Catalog Number: 87864-1-PBS



Basic Information

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| Catalog Number: 87864-1-PBS | GenBank Accession Number: NM_000956.3 | Purification Method: Protein A purification |
| Size: 100ug , Concentration: 1 mg/ml by Nanodrop; | GeneID (NCBI): 5732 | CloneNo.: 260016B10 |
| Source: Rabbit | UNIPROT ID: P43116 | |
| Isotype: IgG | Full Name: prostaglandin E receptor 2 (subtype EP2), 53kDa | |
| Immunogen Catalog Number: AG35470 | Calculated MW: 40kDa 358aa | |
| | Observed MW: 45 kDa | |

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human

Background Information

PTGER2 (prostaglandin E receptor 2) is a gene that encodes the EP2 receptor, a G protein-coupled receptor (GPCR) that binds prostaglandin E2 (PGE2). Located on chromosome 14q22.1, this receptor primarily couples to the Gs protein and activates adenylate cyclase, leading to increased intracellular cAMP levels. PTGER2 plays diverse roles in inflammation, cancer, neuroprotection, and immune regulation; its activation can either promote tumor cell proliferation and invasion or mediate anti-inflammatory effects depending on the context. Mutations in this gene are associated with aspirin-induced asthma susceptibility, making it a significant therapeutic target for inflammatory diseases, cancer, and conditions like glaucoma and pulmonary hypertension. PTGER2 has multiple glycosylation sites.

Storage

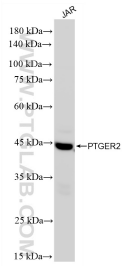
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



JAR cells were subjected to SDS PAGE followed by western blot with 87864-1-RR (PTGER2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 87864-1-PBS in a different storage buffer formulation.