

For Research Use Only

PTGER2 Recombinant monoclonal antibody, PBS Only

Catalog Number: 87864-1-PBS



Basic Information

Catalog Number: 87864-1-PBS	GenBank Accession Number: NM_000956.3	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 5732	CloneNo.: 260016B10
Isotype: IgG	UNIPROT ID: P43116	
Immunogen Catalog Number: AG35470	Full Name: prostaglandin E receptor 2 (subtype EP2), 53kDa	
	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.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only, pH7.3

For technical support and original validation data for this product please contact:

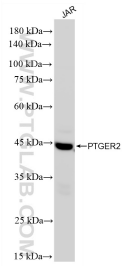
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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.