

For Research Use Only

STK39 Recombinant antibody, PBS Only (Capture)

Catalog Number: 83081-3-PBS



Basic Information

Catalog Number: 83081-3-PBS	GenBank Accession Number: BC166614	Purification Method: Protein A purification
Size: 100ug, Concentration: 1mg/ml by Nanodrop;	GeneID (NCBI): 27347	CloneNo.: 230382G12
Source: Rabbit	UNIPROT ID: Q9UEW8	
Isotype: IgG	Full Name: serine threonine kinase 39 (STE20/SPS1 homolog, yeast)	
Immunogen Catalog Number: AG34503	Calculated MW: 59 kDa	

Applications

Tested Applications:
IHC, IF/ICC, FC (Intra), Cytometric bead array, Indirect
ELISA

Species Specificity:
human

Product Information

83081-3-PBS targets STK39 as part of a matched antibody pair:

MP00106-1: 83081-3-PBS capture and 83081-1-PBS detection (validated in Cytometric bead array)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

Storage

Storage:
Store at -80°C.

Storage Buffer:
100% PBS pH 7.3

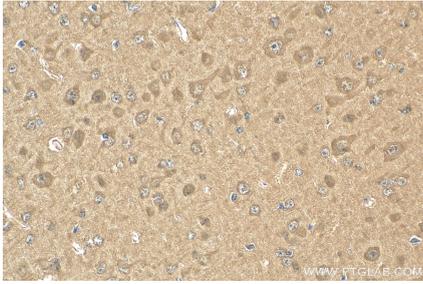
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA)

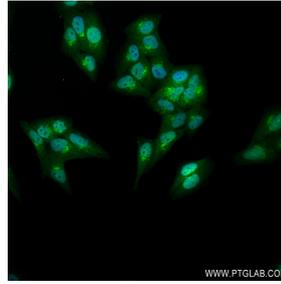
E: proteintech@ptglab.com
W: ptglab.com

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

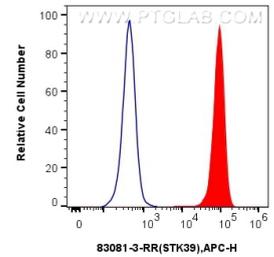
Selected Validation Data



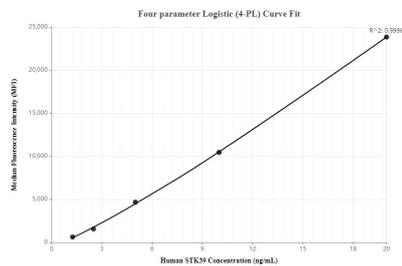
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 83081-3-RR (STK39 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 83081-3-PBS in a different storage buffer formulation.



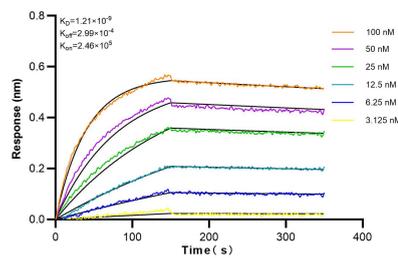
Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using STK39 antibody (83081-3-RR, Clone: 230382G12) at dilution of 1:250 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) (SA00013-1). This data was developed using the same antibody clone with 83081-3-PBS in a different storage buffer formulation.



1×10^6 Daudi cells were intracellularly stained with 0.25 μ g Anti-Human STK39 (83081-3-RR, Clone: 230382G12) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 μ g Rabbit IgG control Rabbit PolyAb (30000-0-AP) (blue). Cells were fixed and permeabilized with True-Nuclear Transcription Factor Buffer Set. This data was developed using the same antibody clone with 83081-3-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP00106-1, STK39 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83081-3-PBS. Detection antibody: 83081-1-PBS. Standard: Ag34503. Range: 1.25-20 ng/mL.



Biolayer interferometry (BLI) kinetic assays of 83081-3-RR against Human STK39 were performed. The affinity constant is 1.21 nM.