

For Research Use Only

BCAS3 Monoclonal antibody, PBS Only (Detector)

Catalog Number: 67085-1-PBS



Basic Information

Catalog Number:	67085-1-PBS	GenBank Accession Number:	BC001250	Purification Method:	Protein A purification
Size:	100ug, Concentration: 1mg/ml by Nanodrop;	GenID (NCBI):	54828	CloneNo.:	1G7B1
Source:	Mouse	UNIPROT ID:	Q9H6U6		
Isotype:	IgG1	Full Name:	breast carcinoma amplified sequence 3		
Immunogen Catalog Number:	AG28545	Calculated MW:	99 kDa		
		Observed MW:	100 kDa		

Applications

Tested Applications:
WB, Cytometric bead array, Indirect ELISA
Species Specificity:
human, mouse, rat, pig

Product Information

67085-1-PBS targets BCAS3 as part of a matched antibody pair:

MP51587-1: 67085-2-PBS capture and 67085-1-PBS detection (validated in Cytometric bead array)

Unconjugated mouse monoclonal antibody pair in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation.

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.

Background Information

Rudhira/BCAS3 (Breast Cancer Amplified Sequence 3) is a conserved protein expressed in the embryonic vasculature and malignant tumors. Rudhira is a predicted WD40 domain protein. During mouse development Rudhira is expressed in erythropoietic and angiogenic precursors but not in their differentiated progeny. This transient expression of Rudhira is also seen in normal adult angiogenesis. BCAS3, the human ortholog of Rudhira is 98% identical and the gene maps to a breakpoint of hematological neoplasms on chromosome 17q23.1. BCAS3 is also expressed in vascular development in embryoid bodies in vitro and was originally identified as a gene over-expressed in breast cancers. It is reported to be a target of metastasis associated protein-1 (MTA-1). Further BCAS3 expression is also upregulated in grade III and IV glioblastomas where it is misexpressed in the tumor cells.

Storage

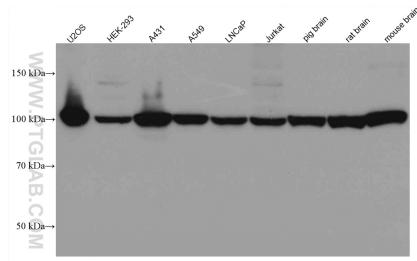
Storage:
Store at -80°C.
Storage Buffer:
PBS only, pH7.3

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)

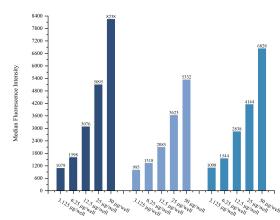
E: proteintech@ptglab.com
W: ptglab.com

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

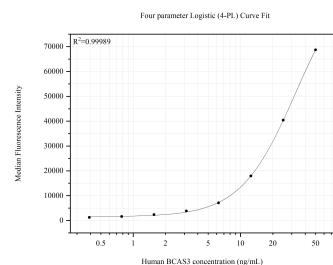
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67085-1-Ig (BCAS3 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67085-1-PBS in a different storage buffer formulation.



Cytometric bead array sample test of MP51587-1, BCAS3 Monoclonal Matched Antibody Pair, PBS Only. Capture antibody: 67085-2-PBS. Detection antibody: 67085-1-PBS.



Cytometric bead array standard curve of MP51587-1, BCAS3 Monoclonal Matched Antibody Pair, PBS Only. Capture antibody: 67085-2-PBS. Detection antibody: 67085-1-PBS. Standard:Ag28545. Range: 0.391-50 ng/mL