BCAS3 Monoclonal antibody

Catalog Number:67085-1-Ig

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Basic Information

Catalog Number:
67085-1-Ig

Size:
1000 μg/ml

Source:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG28545

GenBank Accession Number:
BC001250

GeneID (NCBI):
54828

UNIPROT ID:
Q9H6U6

Full Name:
breast carcinoma amplified sequence 3

Calculated MW:
99 kDa

Observed MW:
100 kDa

Purification Method:
Protein A purification

CloneNo.:
1G7B1

Recommended Dilutions:
WB 1:2000-1:20000

Applications

Tested Applications:
WB, ELISA

Species Specificity:
Human, Mouse, Rat, Pig

Positive Controls:
WB : U2OS cells, K-562 cells, Jurkat cells, A431 cells, HEK-293 cells, A549 cells, LNCaP cells, pig brain tissue, rat brain tissue, mouse rat tissue

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.
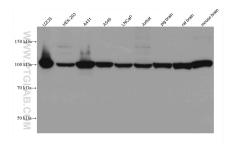
Storage

Storage:
Store at -20℃. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

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.