

For Research Use Only

SMYD4 Monoclonal antibody

Catalog Number: 66874-1-Ig



Basic Information

Catalog Number: 66874-1-Ig	GenBank Accession Number: BC035077	Purification Method: Protein G purification
Size: 150ul , Concentration: 2100 µg/ml by Nanodrop and 920 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 114826	CloneNo.: 2F4B7
Source: Mouse	Full Name: SET and MYND domain containing 4	Recommended Dilutions: WB 1:1000-1:6000
Isotype: IgG1	Calculated MW: 804 aa, 89 kDa	
Immunogen Catalog Number: AG11552	Observed MW: 85-89 kDa	

Applications

Tested Applications: WB,ELISA	Positive Controls: WB : MCF-7 cells,
Species Specificity: Human	

Background Information

SMYD4, also named as SET and MYND domain-containing protein 4, is a 804 amino acid protein, which contains 1 MYND-type zinc finger and 1 SET domain. SMYD4 belongs to the class V-like SAM-binding methyltransferase superfamily. SMYD4, as a potential tumor suppressor, plays a critical role in breast carcinogenesis at least partly through inhibiting the expression of Pdgfr-alpha, and could be a novel target for improving treatment of breast cancer. SMYD4 is a muscle-specific transcriptional modulator involved in development.

Storage

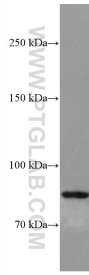
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

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)
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Selected Validation Data



MCF-7 cells were subjected to SDS PAGE followed by western blot with 66874-1-Ig (SMYD4 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.