

MICAL2 Polyclonal Antibody

Catalog number: 13965-1-AP

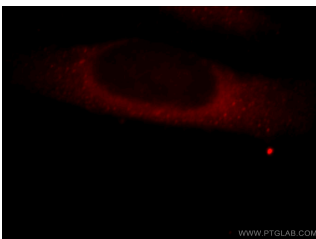
Size: 26 µg/150 µl

Source: Rabbit

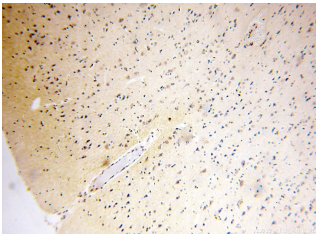
Isotype: IgG

Synonyms:

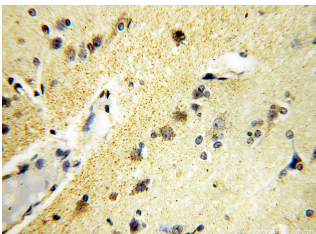
MICAL2; DKFZp686H03148,
DKFZp686H2469, KIAA0750,
MICAL2, MICAL2PV1,
MICAL2PV2, Protein MICAL 2



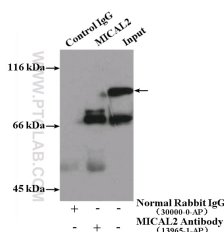
Immunofluorescent analysis of HepG2 cells, using MICAL2 antibody 13965-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



Immunohistochemical of paraffin-embedded human brain using 13965-1-AP(MICAL2 antibody) at dilution of 1:100 (under 10x lens)



Immunohistochemical of paraffin-embedded human brain using 13965-1-AP(MICAL2 antibody) at dilution of 1:100 (under 40x lens)



IP Result of anti-MICAL2

Background

MICALs (Molecules Interacting with CasL) are atypical multidomain flavoenzymes with diverse cellular functions. There are three known isoforms, MICAL1, MICAL2 and MICAL3, as well as the MICAL-like proteins MICAL-L1 and MICAL-L2. MICAL2 has three conserved domains: an N-terminal flavin adenine dinucleotide (FAD) binding domain, a calponin homology (CH) domain and a Lin11, Isl-1 and Mec-3 (LIM) domain. It has been demonstrated that MICAL2 could regulate actin stress fibers and is required for normal actin organization. In addition, MICAL2-PV, a novel splicing variants of MICAL2, has been reported to be involved in cancer progression of prostate cancer. This antibody can recognize both MICAL2 and MICAL2-PV. This antibody recognizes various isoforms of MICAL2 around 90-95 kDa or 109-112 kDa.

Applications

Tested applications:	ELISA, IHC, IF, WB, IP
Species specificity:	Human, Mouse, Rat; other species not tested.
Calculated MICAL2 MW:	127 kDa
Observed MICAL2 MW:	95, 112 kDa
Positive WB detected in	PC-3 cells
Positive IP detected in	PC-3 cells
Positive IHC detected in	Human brain tissue
Positive IF detected in	HepG2 cells
Recommended dilution:	WB: 1:200-1:1000
	IP: 1:200-1:1000
	IHC: 1:20-1:200
	IF: 1:10-1:100

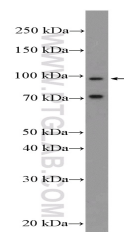
Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag4950
GenBank accession number:	BC044577
Gene ID (NCBI):	9645
Full name:	Microtubule associated monooxygenase, calponin and LIM domain containing 2

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Store at -20°C.



PC-3 cells were subjected to

(IP:13965-1-AP, 5ug;
Detection:13965-1-AP 1:300)
with PC-3 cells lysate 5000ug.

SDS PAGE followed by
western blot with 13965-1-
AP(MICAL2 Antibody) at
dilution of 1:300