

RHBDD3 Antibody

Catalog # ASC11034

Product Information

Application	WB, IF, E
Primary Accession	Q9Y3P4
Other Accession	NP_036397 , 11072101
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	40484
Concentration (mg/ml)	1 mg/mL
Conjugate	Unconjugated
Application Notes	RHBDD3 antibody can be used for detection of RHBDD3 by Western blot at 1 µg/mL. For immunofluorescence start at 20 µg/mL.

Additional Information

Gene ID	25807
Other Names	Rhomboid domain-containing protein 3, RHBDD3, C22orf3
Target/Specificity	RHBDD3;
Reconstitution & Storage	RHBDD3 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Precautions	RHBDD3 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	RHBDD3
Synonyms	C22orf3
Cellular Location	Membrane; Multi-pass membrane protein

Background

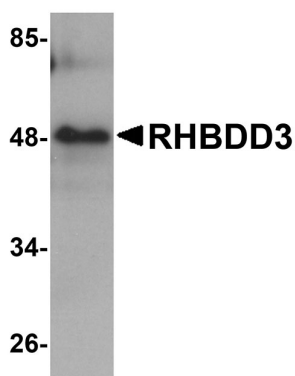
RHBDD3 Antibody: The Rhomboid family of proteins is made up of several widely conserved polytopic membrane serine proteases that play roles in growth and development. RHBDD3 was initially identified as a novel pituitary tumor apoptosis gene (PTAG) whose expression was reduced in certain pituitary adenomas.

Overexpression of RHBDD3 in AtT20 cells showed an increase in apoptotic activity and caspase activation in response to bromocriptine, and apoptosis-inducing dopamine D2 analog, suggesting that reactivation of RHBDD3 in tumors may be a therapeutically useful tool. Later experiments also showed that RHBDD3 expression is also reduced in several primary colorectal tumors, indicating that loss of RHBDD3 contributes to a blunted apoptotic response and probably predisposes cells towards malignant transformation.

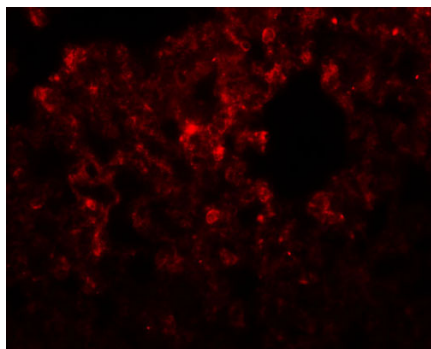
References

Koonin EV, Makarova KS, Rogozin IB, et al. The rhomboids: a nearly ubiquitous family of intramembrane serine proteases that probably evolved by multiple horizontal gene transfers. *Genome Biol.*2003; 4:R19.
Wang Y, Guan X, Fok KL, et al. A novel member of the rhomboid family, RHBDD1, regulates BIK-mediated apoptosis. *Cell Mol. Life Sci.*2008; 65:3822-9.
Bahar A, Whitby P, Holley S, et al. Primary colorectal tumors fail to express the proapoptotic mediator PTAG and its reexpression augments drug-induced apoptosis. *Genes Chromosomes Cancer*2007; 46:202-12.

Images



Western blot analysis of RHBDD3 in rat lung tissue lysate with RHBDD3 antibody at 1 µg/mL.



Immunofluorescence of RHBDD3 in rat lung tissue with RHBDD3 antibody at 20 µg/mL.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.