Store at -200

TACE (D22H4) Rabbit mAb



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Applications: WB	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 135	Source/Isotype: Rabbit IgG	UniProt ID: #P78536	Entrez-Gene Id: 6868	
Product Usage Information	Ар	plication			Dilution		
	We	stern Blotting			1:1000		
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.					
Specificity / Sens	itivity TAC	TACE (D22H4) Rabbit mAb recognizes endogenous levels of total TACE protein.					
Source / Purificat		Monoclonal antibody is produced by immunizing animals with recombinant protein specific to the amino terminus of human TACE protein.					
Background	TACE (TNF- α converting enzyme), also known as ADAM17, is a transmembrane meta plays a key role in the cleavage of a number of cell surface molecules in a process known as ADAM17, is a transmembrane meta plays a key role in the cleavage of a number of cell surface molecules in a process known as a process (a). An important substrate of TACE is pro-TNF- α (1). Increased expression associated with several pathological conditions, including osteoarthritis and rheumatoic pro-inflammatory effects of increased TNF- α contribute to disease pathogenesis (2,3). important molecules by TACE, such as EGFR and Notch, has recently been document responsible for the shedding of EGFR ligands such as amphiregulin and TNF- α . Some hyperactivated EGFR due to upregulated TNF- α production and upregulated TACE, m potential target for drug development (4). TACE activates Notch in a ligand-independence been shown to play a role in the development of the <i>Drosophila</i> nervous system (5). To proposed to act as an α -secretase for amyloid precursor protein (APP) (6), and to be in renewal and proliferation of neural stem cells (7).					own as "shedding". sion is differentially of TACE is d arthritis, where the Regulation of other ted. TACE is tumors have laking TACE a nt manner and has ACE has also been	

Background References

- 1. Black, R.A. et al. (1997) Nature 385, 729-33.
- 2. Amin, A.R. (1999) Osteoarthritis Cartilage 7, 392-4.
- 3. Patel, I.R. et al. (1998) J Immunol 160, 4570-9.
- 4. Kenny, P.A. (2007) Differentiation 75, 800-8.
- 5. Delwig, A. and Rand, M.D. (2008) Cell Mol Life Sci 65, 2232-43.
- 6. Deuss, M. et al. (2008) Curr Alzheimer Res 5, 187-201.
- 7. Rubio-Araiz, A. et al. (2008) Mol Cell Neurosci 38, 374-80.

Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Western Blot Buffer

IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

Applications Key

WB: Western Blotting

Cross-Reactivity Key

H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster

X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse

GP: Guinea Pig Rab: rabbit All: all species expected

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