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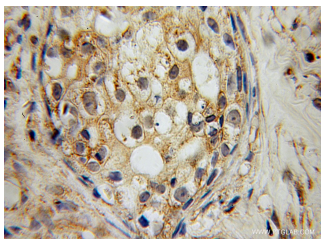
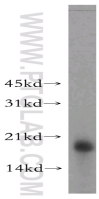
RAMP2 Polyclonal Antibody

Catalog number: 13223-2-AP
Size: 29 µg/150 µl
Source: Rabbit
Isotype: IgG
Synonyms:
RAMP2; RAMP2



Immunohistochemical of paraffin-embedded human breast cancer using 13223-2-AP(RAMP2 antibody) at dilution of 1:100 (under 10x lens)



mouse brain tissue were subjected to SDS PAGE followed by western blot with 13223-2-AP(RAMP2 antibody) at dilution of 1:400

Background

RAMP2 (receptor-activity-modifying protein) is a member of the RAMP family of single-transmembrane-domain proteins which consist of an N-terminal extracellular domain, a transmembrane region and a short intracellular C-terminal tail. RAMPs are required to transport calcitonin-receptor-like receptor (CRLR) to the plasma membrane. CRLR, a G protein-coupled receptor, can function as either a calcitonin gene-related peptide (CGRP) receptor or an adrenomedullin receptor, depending on which members of the RAMP family are expressed. RAMP1 transports the CRLR to the plasma membrane and then remains associated with it to function as a terminally glycosylated CGRP receptor, while RAMP2 and RAMP3 transfer the CRLR to the cell surface to generate receptors that are preferentially selective for adrenomedullin. (PMID: 9620797; 16188935)

Applications

Tested applications:	**ELISA, WB, IHC**
Cited applications:	**WB**
Species specificity:	**Human, mouse, rat; other species not tested.**
Cited species:	**Human, mouse**
Caculated RAMP2 MW:	**175aa,20 kDa**
Observed RAMP2 MW:	**20kd**
Positive WB detected in	**Mouse brain tissue, SH-SY5Y cells**
Positive IHC detected in	**Human breast cancer**
Recommended dilution:	**WB: 1:200-1:2000**
	IHC: 1:20-1:200

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

Immunogen information

Immunogen:	**Ag4028**
GenBank accession number:	**BC027975**
Gene ID (NCBI):	**10266**
Full name:	**Receptor (G protein-coupled) activity modifying protein 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.**