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ADM2 Rabbit pAb

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Catalog # AP52285

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q7Z4H4
Reactivity	Rat, Human, Mouse
Predicted	Pig, Rabbit, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	15865
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human Intermedin
Epitope Specificity	75-148/148
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Secreted.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene encodes a protein which is a member of the calcitonin-related hormones. The encoded protein is involved in maintaining homeostasis in many tissues, acting via CRLR/RAMP receptor (calcitonin receptor-like receptor/receptor activity-modifying protein) complexes. Multiple alternatively spliced variants, encoding the same protein, have been identified. [provided by RefSeq, Dec 2011]. TISSUE SPECIFICITY:High expression detected in the submaxillary gland, kidney, stomach, and mesentery, followed by the pituitary, lung, pancreas, intestines, spleen, thymus and ovary. Expressed mainly in the intermediate lobe of the pituitary, with sporadic in the anterior lobe.

Additional Information

Gene ID	79924
Other Names	Protein ADM2, Intermedin, Adrenomedullin-2, AM2, Intermedin-long, IMDL, Intermedin-short, IMDS, ADM2 (HGNC:28898), AM2
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	ADM2 (HGNC:28898)
Synonyms	AM2
Function	Intermedin/ADM2 is a peptide hormone that plays a role as physiological regulator of gastrointestinal and cardiovascular bioactivities mediated by the CALCRL-RAMPs receptor complexes (PubMed:14615490). Activates the cAMP-dependent pathway through interaction with CALCRL-RAMP3 receptor complex (PubMed:14615490).
Cellular Location	Secreted.
Tissue Location	Expressed in the esophagus, stomach, jejunum, ileum, ileocecum, ascending colon, transverse colon, descending colon and rectum. Expressed in myocardial cells of the heart, renal tubular cells, hypothalamus, and pituitary.

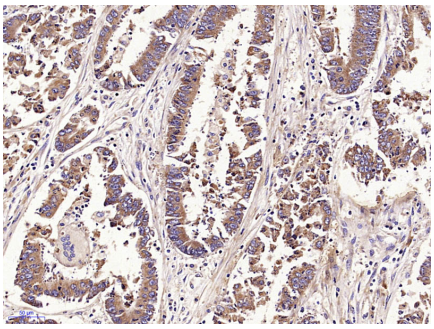
Background

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References

Roh J.,et al.J. Biol. Chem. 279:7264-7274(2004).
Takei Y.,et al.FEBS Lett. 556:53-58(2004).
Takahashi K.,et al.Peptides 27:1383-1389(2006).
Dunham I.,et al.Nature 402:489-495(1999).

Images



Paraformaldehyde-fixed, paraffin embedded (Human stomach carcinoma); Antigen retrieval by microwave in sodium citrate buffer (pH6.0) ; Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes; Blocking buffer (3% BSA) at RT for 30min; Antibody incubation with (ADM2) Polyclonal Antibody, Unconjugated (AP52285) at 1:400 overnight at 4℃, followed by conjugation to the secondary antibody (labeled with HRP)and DAB staining.

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