

Anti-KAT2A Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

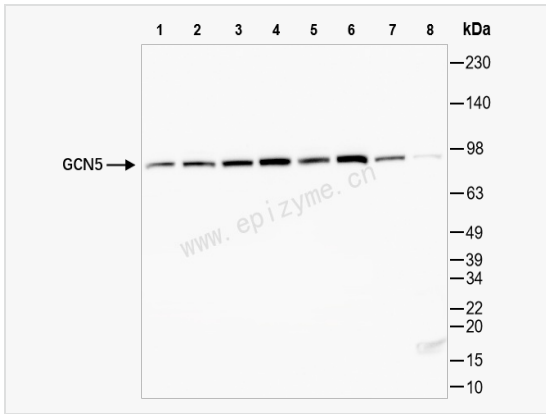
Catalog # R012497

Product Information

Application	WB, IHC-P/IF (Tissue-P), ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:2,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	87M67M84
Isotype	IgG
Label	Unconjugated
Immunogen	Recombinant protein of human GCN5
Format	Affinity purified monoclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-KAT2A Rabbit mAb [87M67M84] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	1110051E14Rik; AW212720; EC 2.3.1.48; GCN 5; GCN5 (general control of amino-acid synthesis, yeast, homolog)-like 2; Gen5; GCN5 general control of amino-acid synthesis 5-like 2 (yeast); GCN5L2; general control of amino acid synthesis 5-like 2; General control of amino acid synthesis protein 5-like 2; General control of amino acid synthesis, yeast, homolog-like 2; HGCN5; Histone acetyltransferase GCN5; Histone acetyltransferase KAT2A; hsGCN5; K(lysine) acetyltransferase 2A; KAT2 A; KAT2A; KAT2A_HUMAN; Lysine acetyltransferase 2A; MGC102791; PCAF-b; STAF97.
Calculated MW	Calculated MW: 94 kDa; Observed MW: 94 kDa
Uniprot ID	Q92830
Gene ID	2648
Background	KAT2A, or GCN5, is a histone acetyltransferase (HAT) that functions primarily as a transcriptional activator. It also functions as a repressor of NF-kappa-B (see MIM 164011) by promoting ubiquitination of the NF-kappa-B subunit RELA (MIM 164014) in a HAT-independent manner (Mao et al., 2009 [PubMed 19339690]).[supplied by OMIM, Sep 2009]
Cellular Location	Nucleus.
Tissue Location	Expressed in all tissues tested, with most abundant expression in ovary.



Western Blot - Anti-KAT2A Rabbit mAb [87M67M84]

All lanes: R012497 at 1:1,000 dilution

Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates

Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates

Lane 3: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates

Lane 4: 293T (Human embryonic kidney cell) whole cell lysates

Lane 5: K562 (Human chronic myeloid leukemia cell) whole cell lysates

Lane 6: C2C12 (Mouse myoblasts epithelial cell) whole cell lysates

Lane 7: PC-12 (Rat adrenal pheochromocytoma epithelial cell) whole cell lysates

Lane 8: Rat brain whole tissue lysates

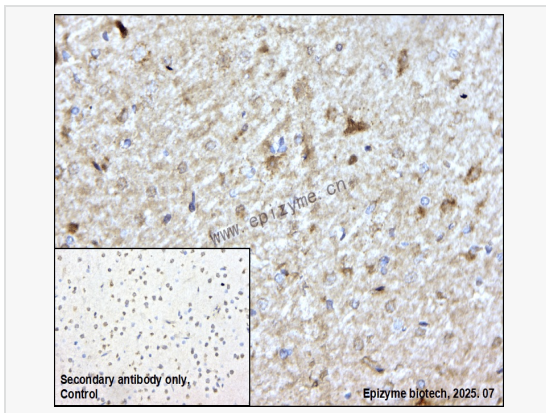
Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 94 kDa

Observed band size: 94 kDa

Developed using the ECL technique (Cat. No. SQ201).



Immunohistochemistry - Anti-KAT2A Rabbit mAb [87M67M84]

Sample: Paraformaldehyde-fixed, paraffin embedded rat brain tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R012497 at 1:200 dilution

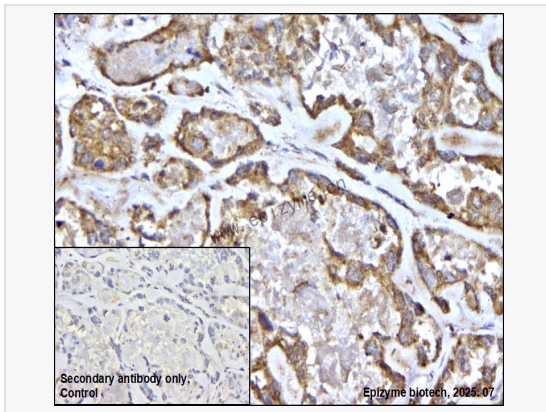
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.



Immunohistochemistry - Anti-KAT2A Rabbit mAb [87M67M84]

Sample: Paraformaldehyde-fixed, paraffin embedded human ovarian cancer tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R012497 at 1:200 dilution

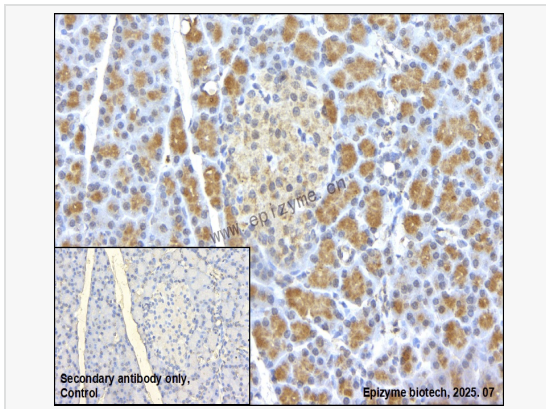
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.



Immunohistochemistry - Anti-KAT2A Rabbit mAb [87M67M84]

Sample: Paraformaldehyde-fixed, paraffin embedded rat pancreas tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R012497 at 1:200 dilution

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.