

A6235

Leader in Biomolecular Solutions for Life Science



OAT Rabbit pAb

Catalog No.: A6235 **2 Publications**

Basic Information

Observed MW

49kDa

Calculated MW

49kDa

Category

Polyclonal Antibody

Applications

WB,IHC-P,IP,ELISA

Cross-Reactivity

Human,Mouse,Rat

Background

This gene encodes the mitochondrial enzyme ornithine aminotransferase, which is a key enzyme in the pathway that converts arginine and ornithine into the major excitatory and inhibitory neurotransmitters glutamate and GABA. Mutations that result in a deficiency of this enzyme cause the autosomal recessive eye disease Gyrate Atrophy. Alternatively spliced transcript variants encoding different isoforms have been described. Related pseudogenes have been defined on the X chromosome.

Recommended Dilutions

WB 1:500 - 1:2000

IHC-P 1:50 - 1:200

IP 0.5µg-4µg antibody for
200µg-400µg extracts
of whole cells

ELISA Recommended starting
concentration is 1
µg/mL. Please optimize
the concentration
based on your specific
assay requirements.

Immunogen Information

Gene ID

4942

Swiss Prot

P04181

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 160-439 of human OAT (NP_000265.1).

Synonyms

OKT; GACR; HOGA; OATASE; OAT

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

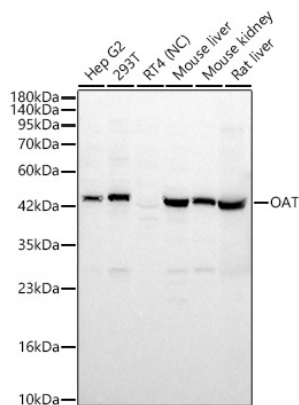
Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

Contact

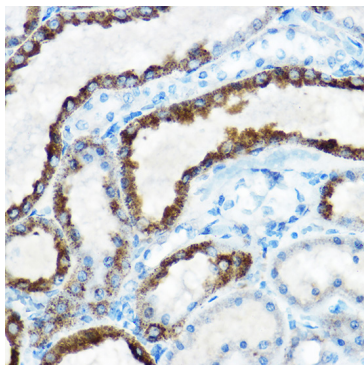


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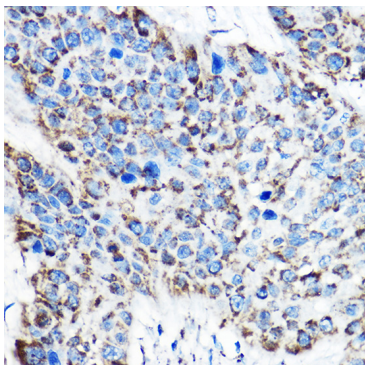
Validation Data



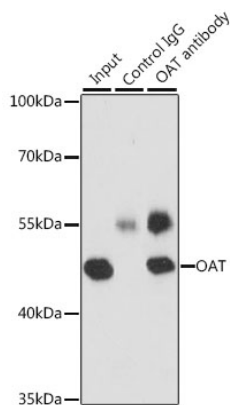
Western blot analysis of various lysates using OAT Rabbit pAb (A6235) at 1:2000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Negative control (NC): RT4.
Exposure time: 30s.



Immunohistochemistry analysis of paraffin-embedded Rat kidney using OAT Rabbit pAb (A6235) at dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human esophageal cancer using OAT Rabbit pAb (A6235) at dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



Immunoprecipitation analysis of 200 µg extracts of MCF-7 cells, using 3 µg OAT antibody (A6235). Western blot was performed from the immunoprecipitate using OAT antibody (A6235) at a dilution of 1:1000.