

Datasheet for ABIN7596066
anti-OAT antibody (AA 33-439)



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Overview

Quantity:	100 µL
Target:	OAT
Binding Specificity:	AA 33-439
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Purpose:	Human OAT antibody
Immunogen:	Recombinant human OAT (33-439aa) purified from E.coli
Clone:	AT23A2
Isotype:	IgG1 kappa
Purification:	protein-A affinity chromatography

Target Details

Target:	OAT
Alternative Name:	OAT (OAT Products)
Background:	OAT is a 49- kDa nucleus-encoded protein imported into mitochondria to give the mature 48- kDa OAT polypeptide. It has been described in humans, animals, insects, plants and

Target Details

microorganisms. Especially OAT have sex-differential expression in the mouse kidney. OAT plays crucial physiological roles in amino acid metabolism. OAT shows a large structural and mechanistic similarity to other enzymes from the subgroup III of aminotransferases, which transfer an amino group from a carbon atom that does not carry a carboxyl function. OAT is essential for nitrogen recycling from arginine but not for the stress-induced proline accumulation.

NCBI Accession: [NP_000265](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.