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Datasheet for ABIN904530

anti-LAP3 antibody (AA 131-230) (AbBy Fluor® 488)

Overview

Quantity:	100 µL
Target:	LAP3
Binding Specificity:	AA 131-230
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This LAP3 antibody is conjugated to AbBy Fluor® 488
Application:	Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunofluorescence (Cultured Cells) (IF (cc))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human LAP3
Isotype:	IgG
Predicted Reactivity:	Human, Mouse, Rat, Dog, Horse, Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	LAP3
Alternative Name:	LAP3 (LAP3 Products)
Background:	Synonyms: Cytosol aminopeptidase, LAP 3, LAP, LAPEP, Leucine aminopeptidase 3, Leucyl

Target Details

aminopeptidase, PEPS, Peptidase S, Proline aminopeptidase, Prolyl aminopeptidase, AMPL_HUMAN.

Background: LAP3 (leucine aminopeptidase 3), also known as LAPEP or PEPS, is a 519 amino acid protein that localizes to the cytoplasm and belongs to the peptidase M17 family. Existing as a homohexamer, LAP3 uses zinc as a cofactor to catalyze the release of an N-terminal proline from a target peptide and is, therefore, involved in the processing and turnover of intracellular proteins. Multiple isoforms of LAP3 exist due to alternative splicing events. The gene encoding LAP3 maps to human chromosome 4, which houses nearly 6 % of the human genome and has the largest gene deserts (regions of the genome with no protein encoding genes) of all of the human chromosomes. Defects in some of the genes located on chromosome 4 are associated with Huntington's disease, Ellis-van Creveld syndrome, methylmalonic acidemia and polycystic kidney disease.

Gene ID: 51056

Application Details

Application Notes: IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

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

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months