



Mouse anti-Human HAL monoclonal antibody, clone 5G3 (CABT-B10381)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	HAL (NP_002099, 558 a.a. ~ 658 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG2a
Source/Host	Mouse
Species Reactivity	Human
Clone	5G3
Conjugate	Unconjugated
Applications	WB, IP, ELISA
Sequence Similarities	LAACQGIEFLRPLKTTTPLEKVYDLVRSVVRPWIKDRFMAPDIEAAHRLLEQKVWEVAA PYIEKYRMEHIPESRPLSPTAFSLQFLHKKSTKIPESEDL*
Format	Liquid
Size	100 µg
Buffer	In 1x PBS, pH 7.2
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

BACKGROUND

Introduction	Histidine ammonia-lyase is a cytosolic enzyme catalyzing the first reaction in histidine catabolism, the nonoxidative deamination of L-histidine to trans-urocanic acid. Histidine
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ammonia-lyase defects cause histidinemia which is characterized by increased histidine and histamine and decreased urocanic acid in body fluids. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Apr 2012]

Keywords HAL; histidine ammonia-lyase; HIS; HSTD; histidase;

GENE INFORMATION

Entrez Gene ID	3034
UniProt ID	P42357
Pathway	Histidine catabolism, organism-specific biosystem; Histidine metabolism, organism-specific biosystem; Histidine metabolism, conserved biosystem; Metabolic pathways, organism-specific biosystem; Metabolism of amino acids and derivatives, organism-specific biosystem; Nitrogen metabolism, organism-specific biosystem
Function	histidine ammonia-lyase activity; lyase activity
