

IDE Insulin Degrading Enzyme Mouse Monoclonal Antibody(3H4)

Catalog No: RA10361

Basic Information

Host species	Mouse
Applications	WB, IHC
Species Cross-Reactivity	H
Specificity	IDE Mouse Monoclonal antibody detects endogenous IDE proteins.
Recommended dilutions	WB: 1:1,000 IHC: 1:200 Optimal dilutions should be determined by the end user.

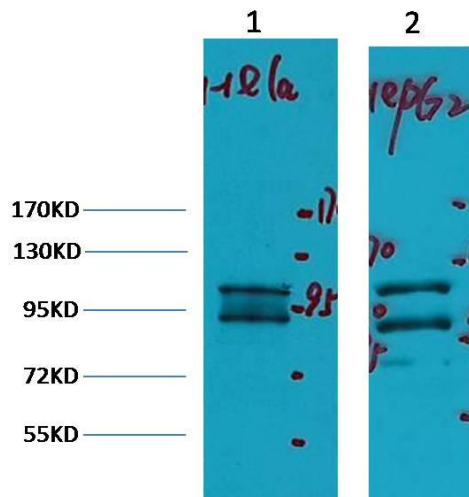
Applications

Formulation	PBS, pH 7.4, containing 0.02% sodium azide as Preservative and 50% Glycerol.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Concentration	1 mg/ml
Clonality	Monoclonal

Background

Alternative Names	
Observed band	118
Human Gene ID	3416
Human Swiss-Prot Number	P14735
Background	Insulin Degrading Enzyme (IDE) is a large zinc-binding protease of the M16A metalloprotease subfamily known to cleave multiple short polypeptides that vary considerably in sequence. IDE was first identified by its ability to degrade the B chain of the hormone insulin. This activity was observed over fifty years ago, though the enzyme specifically responsible for B chain cleavage was identified more recently.

Selected Validation Data



Western blot analysis of 1) HeLa, 2) HepG2, with IDE Mouse mAb diluted at 1:2,000.