Elabscience®

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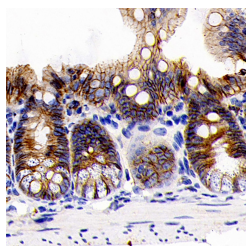## E-Cadherin Monoclonal Antibody

Catalog No.	E-AB-70249	**Reactivity**	M,R
Storage	Store at -20℃. Avoid freeze / thaw cycles.	**Host**	Mouse
Applications	IHC	**Isotype**	IgG

Note: Centrifuge before opening to ensure complete recovery of vial contents.
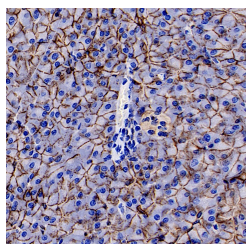
Images
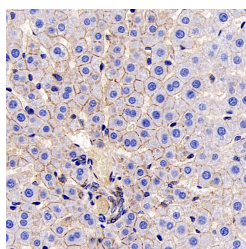
Immunohistochemistry analysis of paraffin-embedded mouse liver using E-Cadherin Monoclonal Antibody at dilution of 1:300.

Immunohistochemistry analysis of paraffin-embedded rat colon using E-Cadherin Monoclonal Antibody at dilution of 1:300.

Immunohistochemistry analysis of paraffin-embedded rat pancreas using E-Cadherin Monoclonal Antibody at dilution of 1:300.

Immunogen Information

Immunogen	Recombinant protein corresponding to MouseE-cadherin
Swissprot	P09803,Q9R0T4
Synonyms	Arc 1,CADH1,Cadherin 1,cadherin 1 type 1 E-cadherin,Cadherin1,CAM 120/80,CDHE

Product Information

Buffer	PBS with 0.02% sodium azide, 1% protective protein and 50% glycerol, pH7.4
Purify	Affinity purification
Clone No.	EC125D
Dilution	IHC 1:200-1:800

Background

This gene is a classical cadherin from the cadherin superfamily. The encoded protein is a calcium dependent cell-cell adhesion glycoprotein comprised of five extracellular cadherin repeats, a transmembrane region and a highly conserved cytoplasmic tail. Mutations in this gene are correlated with gastric, breast, colorectal, thyroid and ovarian cancer. Loss of function is thought to contribute to progression in cancer by increasing proliferation, invasion, and/or metastasis. The ectodomain of this protein mediates bacterial adhesion to mammalian cells and the cytoplasmic domain is required for internalization. Identified transcript variants arise from mutation at consensus splice sites.

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Applications:WB-Western Blot IHC-Immunohistochemistry IF-Immunofluorescence IP-Immunoprecipitation FC-Flow cytometry ChIP-Chromatin Immunoprecipitation Reactivity: H-Human R-Rat M-Mouse Mk-Monkey Dg-Dog Ch-Chicken Hm-Hamster Rb-Rabbit Sh-Sheep Pg-Pig Z-Zebrafish X-Xenopus C-Cow.