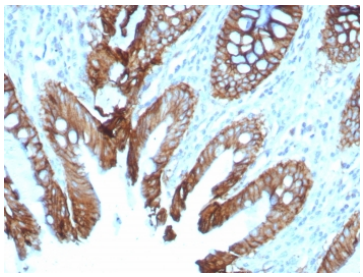
Cadherin 17 Antibody / CDH17 [clone rCDH17/8512] (V5218)

Catalog No.	Formulation	Size
V5218-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5218-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5218SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

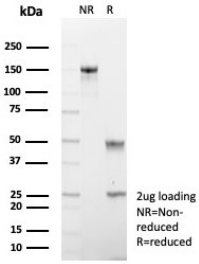
Recombinant MOUSE MONOCLONAL

Bulk quote request

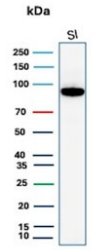
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Recombinant Mouse Monoclonal
Isotype	Mouse IgG1, kappa
Clone Name	rCDH17/8512
Purity	Protein A affinity
UniProt	Q12864
Localization	Cell Surface, Cytoplasm
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT Western Blot : 2-4ug/ml
Limitations	This Cadherin 17 antibody is available for research use only.



IHC staining of FFPE human colon tissue with Cadherin 17 antibody (clone rCDH17/8512). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free CDH17 antibody (clone rCDH17/8512) as confirmation of integrity and purity.



Western blot testing of human small intestine tissue lysate with Cadherin 17 antibody. Predicted molecular weight ~92 kDa but may be observed at higher molecular weights due to glycosylation.

Description

It recognizes a protein of 120kDa, which is identified as Cadherin 17 (also known as LI Cadherin). The cadherins are a family of Calcium-dependent adhesion molecules that function to mediate cell-cell binding critical to the maintenance of tissue structure and morphogenesis. Cadherins each contain a large extracellular domain at the amino terminus, which is characterized by a series of five homologous repeats, the most distal of which is thought to be responsible for binding specificity. The relatively short carboxy terminal, intracellular domain interacts with a variety of cytoplasmic proteins, including beta-catenin, to regulate cadherin function. LI-cadherin (for liver-intestine-cadherin) expression is restricted to liver and intestine tissues and is specifically localized to the basolateral domain of hepatocytes and enterocytes.

Application Notes

Optimal dilution of the Cadherin 17 antibody should be determined by the researcher.

Immunogen

A recombinant partial protein sequence (within amino acids 242-418) from the human protein was used as the immunogen for the Cadherin 17 antibody.

Storage

Aliquot the Cadherin 17 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.