

Pan-Cadherin Antibody [clone CH-19] (R30069)

Catalog No.	Formulation	Size
R30069	0.5mg/ml with 1% BSA and 0.01% sodium azide if reconstituted with 0.2ml sterile 1X PBS	100 ug

[Bulk quote request](#)

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat, Rabbit, Chicken, Snake
Format	Ascites
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1
Clone Name	CH-19
Purity	Ascites
Gene ID	999, 1000, 1111
Applications	Western Blot : 1-2ug/ml IHC (FFPE) : 2-4ug/ml
Limitations	This pan-Cadherin antibody is available for research use only.



Description

Cadherins are calcium-dependent adhesion molecules that mediate cell-cell binding in a homophilic manner. They play an important role in the growth and development of cells via the mechanisms of control of tissue architecture and the maintenance of tissue integrity. Cadherin expression is regulated spatially as well as temporally. Cadherins are thought to play an important role in development and maintenance of tissues through selective cell-cell adhesion activity and may be involved also in the invasion and metastasis of malignant tumors. Cadherin regulates dendritic spine morphogenesis. A cadherin gene cluster is mapped to a region of chromosome 5 subject to frequent allelic loss in carcinoma.

Application Notes

The stated application concentrations are suggested starting points. Titration of the pan-Cadherin antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Amino acids 1-24 of chicken N-Cadherin were used as the immunogen for this pan-Cadherin antibody.

Storage

After reconstitution, the pan-Cadherin antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.