

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 |

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| | |
|--------------------|--|
| Availability | 1-3 business days |
| Species Reactivity | Human, Mouse, Rat, Rabbit, Chicken, Snake |
| Format | Ascites |
| Host | Mouse |
| 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.