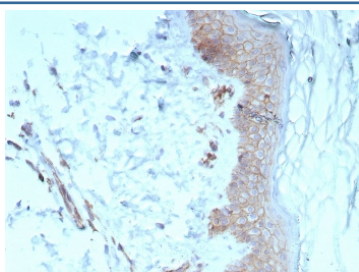


Pan-Cadherin Antibody [clone Pan-CAD/8020] (V5315)

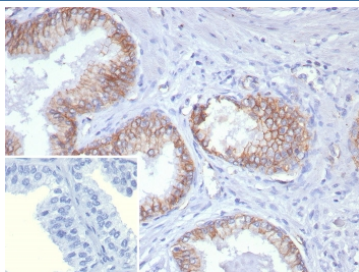
Catalog No.	Formulation	Size
V5315-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5315-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5315SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

[Bulk quote request](#)

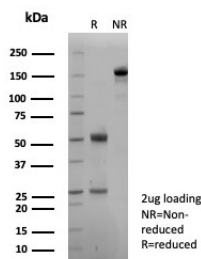
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	Pan-CAD/8020
Purity	Protein A/G affinity
UniProt	P12830, P19022, P22223, P33151, P55283
Localization	Cell junction
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This Pan-Cadherin antibody is available for research use only.



IHC staining of FFPE human skin tissue with Pan-Cadherin antibody (clone Pan-CAD/8020). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human prostate carcinoma tissue with Pan-Cadherin antibody (clone Pan-CAD/8020). Inset: PBS used in place of primary Ab (secondary Ab negative control). 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 Pan-Cadherin antibody (clone Pan-CAD/8020) as confirmation of integrity and purity.

Description

Cadherins comprise a family of Ca^{2+} -dependent adhesion molecules that function to mediate cell-cell binding critical to the maintenance of tissue structure and morphogenesis. The classical cadherins, E-, N- and P-cadherin, consist of large extracellular domains characterized by a series of five homologous NH₂ terminal repeats. The most distal of these cadherins is thought to be responsible for binding specificity, transmembrane domains and carboxy terminal intracellular domains. The relatively short intracellular domains interact with a variety of cytoplasmic proteins, such as beta-catenin, to regulate cadherin function. Members of this family of adhesion proteins include rat cadherin K (and its human homolog, cadherin 6), R-cadherin, B-cadherin, E/P cadherin and cadherin-5.

Application Notes

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

Immunogen

A recombinant fragment of human C-terminal of Pan-Cadherin was used as the immunogen for the Pan-Cadherin antibody.

Storage

Aliquot the Pan-Cadherin antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.