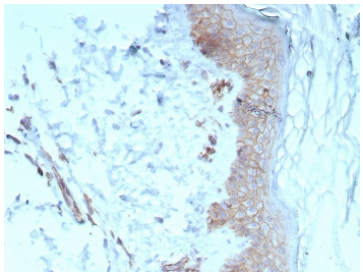
Pan-Cadherin Antibody [clone Pan-CAD/8020] (V5315)

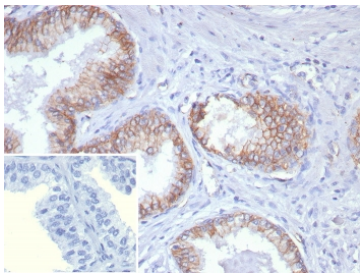
Catalog No.	Formulation	Size
V5315-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5315-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5315SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

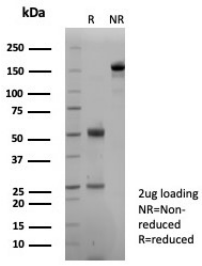
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	Pan-CAD/8020
Purity	Protein A/G affinity
UniProt	P12830, P19022, P22223, P33151, P55283
Localization	Cell junction
Applications	Immunohistochemistry (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 Ca2+-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 -20oC or colder. Avoid repeated freeze-thaw cycles.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com