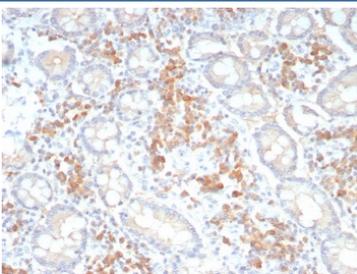


## Pan-Cadherin Antibody [clone Pan-CAD/8019] (V5473)

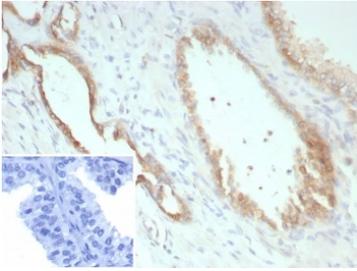
Catalog No.	Formulation	Size
V5473-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5473-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5473SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

[Bulk quote request](#)

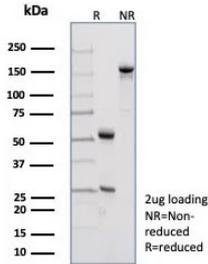
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal (mouse origin)
<b>Isotype</b>	Mouse IgG2b, kappa
<b>Clone Name</b>	Pan-CAD/8019
<b>Purity</b>	Protein A/G affinity
<b>UniProt</b>	P12830, P19022, P22223, P33151, P55283
<b>Localization</b>	Cell junction
<b>Applications</b>	Immunohistochemistry (FFPE) : 1-2ug/ml
<b>Limitations</b>	This Pan-Cadherin antibody is available for research use only.



IHC staining of FFPE human colon tissue with Pan-Cadherin antibody (clone Pan-CAD/8019). 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/8019). 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/8019) 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 NH<sub>2</sub> 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 from the C-terminal region of human Cadherin proteins 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.