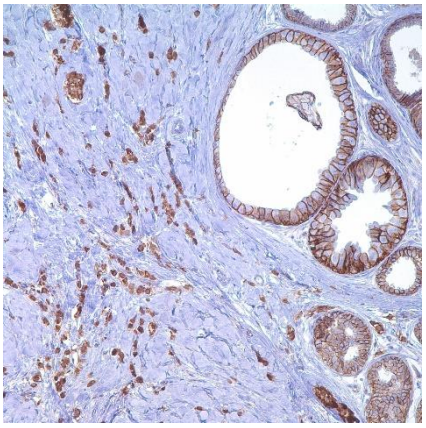
P120
clone 15D2

Instructions for Use

Specification:
The catenin's alpha, beta, and gamma are proteins which bind to the highly conserved, intracellular cytoplasmic tail of E-cadherin. Together, the catenin/cadherin complexes play an important role mediating cellular adhesion. Catenin, a 102 kDa protein, was initially described as an E-cadherin-associated protein and has been shown to associate with other members of the cadherin family N-cadherin and P-cadherin. The 92 kDa catenin associates with the cytoplasmic portion of E-cadherin which is necessary for the function of E-cadherin as an adhesion molecule. Catenin has also been found in complexes with the tumor suppressor protein APC. Catenin, also known as plakoglobin, is an 82 kDa protein that binds with catenin and N-cadherin. A related protein, p120, exhibits sequence homology with the catenins at four discreet domains. p120 not only serves as a substrate for Src but is also found in E-cadherin complexes containing catenins.
p120 (15D2): sc-23872. Immunoperoxidase staining of formalin fixed, paraffin-embedded human breast tissue showing membrane and cytoplasmic localization.

Availability:

Catalog No.	Contents	Volume
ILM89619-C01	P120	0,1 ml concentrate
ILM89619-C05	P120	0,5 ml concentrate
ILM89619-C1	P120	1,0 ml concentrate



Intended use: For Research Use Only

Reactivity: Human, Mouse, Rat

Clone: 15D2

Species of origin: Mouse

Isotype: IgG1

Control Tissue: Breast

Staining: Membranous and cytoplasmic

Presentation: Each vial contains 200 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide 1 and 0.1% gelatin

Application and suggested dilutions:
Pre-treatment: Heat induced epitope retrieval in 10 mM citrate buffer, pH6.0, or in 50 mM Tris buffer pH9.5, for 20 minutes is required for IHC staining on formalin-fixed, paraffin embedded tissue sections.

- Western Blotting (dilution up to 1:100-1:200)
- immunoprecipitation [1–2 µg per 100–500 µg of total protein (1 ml of cell lysate)
- immunofluorescence and immunohistochemistry (including paraffin-embedded sections) (dilution up to 1:50-1:500).

The optimal dilution for a specific application should be determined by the investigator.

Note: Dilution of the antibody in 10% normal goat serum followed by a goat anti-mouse secondary antibody-based detection is recommended.

Storage & Stability: Store at 2-8 °C. Do not use after expiration date printed on the vial.

References:

1) Mastracci, T.L., et al. 2005, Mod. Pathol. 18: 741-751.
2) Larive, R.M., et al. 2009, Oncogene 28: 2337-2347.
3) Talvinen, K., et al. 2010, J. Cancer Res. Clin. Oncol. 136:1377-1387.
4) Rakha, E.A., et al. 2010, Am. J. Surg. Pathol. 34: 1472-1479.