

Mouse anti-Beta-Catenin, clone 17C2 (monoclonal)

Clone no. 17C2

MONXtra

Product name	Mouse anti-Beta-Catenin, clone 17C2 (monoclonal)
Host	Mouse
Applications	IHC-P (1:150)
Species reactivity	human
Conjugate	-
Immunogen	Prokaryotic recombinant protein corresponding to a 160 amino acid region of the C-terminus of the beta-catenin molecule.
Isotype	IgG2a
Clonality	Monoclonal
Clone number	17C2
Size	1 ml
Concentration	Greater than or equal to 51 mg/L
Format	-
Storage buffer	Tissue culture supernatant with sodium azide
Storage until expiry date	2-8°C

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES

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Additional info

The catenins, (alpha, beta and gamma) are cytoplasmic proteins which bind to the highly conserved tail of the E-cadherin molecule. Beta-catenin is a component of the adherens junction, a multiprotein complex which supports Ca²⁺ -dependent cell-to-cell contact, which in itself is critical for adhesion, signal transmission and for anchoring the actin cytoskeleton. Beta-catenin's role is as a transcription effector of the wnt-signaling pathway.

Immunohistochemistry is the best way to demonstrate nuclear expression of beta-catenin and wnt-pathway activation. This aberrant expression is observed in human tumorigenesis, and especially in colorectal cancer.

References

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2. Ortega P et al. Clinical Cancer Research. 2008; 14(14):995-1001
3. Daa T et al. J. of Exp.Clin.Cancer Research. 2005; 24(1):83-87
4. Fadare O et al. World Journal of Surgical Oncology. 2005; 3(38)
5. Gamachi A et al. Modern Pathology. 2003; 16(11):1124-1131

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