Product datasheet

anti-Drebrin mouse monoclonal, MX823, supernatant

Short overview

Cat. No.	651128
Quantity	5 ml

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgG1
Clone	MX823
Immunogen	Synthetic c-terminal peptide (aa632-649) coupled to KLH
Formulation	Contains 0.09% sodium azide
UniprotID	Q16643 8 (Human)
Synomym	Developmentally-regulated brain protein, DBN1
Conjugate	Unconjugated
Purification	Hybridoma cell culture supernatant
Storage	Short term at 2-8°C; long term storage in aliquots at -20°C; avoid freeze/thaw cycles
Intended use	Research use only
Application	ICC/IF, IHC, IP, WB
Reactivity	Bovine, Dog, Human, Mouse, Rat

Applications

Immunocytochemistry (ICC)	Assay dependent
Immunohistochemistry (IHC) - frozen	1:10-1:50
Immunoprecipitation (IP)	Assay dependent
Western Blot (WB)	1:100

Background

MX823 specifically reacts with drebrin, a widespread actin-associating protein of 70 kD (SDS-PAGE mobility shows Mr 120,000). It is enriched at junctional plaques, defining a specific microfilament anchorage system in polar epithelial cells. Positive staining was found in many tissues, including diverse epithelia and carcinoma (e.g. in epidermis basal cells are positive, whereas overlying cells are negative; also positive: regenerating epithelium during wound healing; basal cell carcinoma; skin melanoma), specific types of endothelia and smooth muscle; especially prominent in the mesangial cells of renal glomeruli and in the Sertoli cells of testis. Also positive: epithelia of hair follicles and eccrine sweat glands. Consistently negative were, however, hepatocytes and cross-striated muscle.Reactivity on cultured cell lines: primary human keratinocytes, U333, MCF-7, SV80, B16 (mouse melanoma cells).

Product images



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References

Publication	Species	Application
Domke, L and Franke, W. The cell-cell junctions of mammalian testes.., Cell Tissue Res, 375, 451-482, (2019)	bovine	ICC-IF
Uddin, B. et al. The human phosphatase CDC14A modulates primary cilium length by regulating centrosomal actin nucleation. EMBO.Rep. 20, (2019)	human	WB
Peitsch, W. K. et al. Drebrin, an Actin-Binding, Cell-Type Characteristic Protein: Induction and Localization in Epithelial Skin Tumors and Cultured Keratinocytes. J. Invest. Dermatol. 125, 761-774 (2005).	human	WB,IHC (frozen),ICC-IF,IEM