

## Product datasheet

### anti-Drebrin mouse monoclonal, MX823, ascites fluid

#### Short overview

<b>Cat. No.</b>	612128
<b>Quantity</b>	250 µl

#### Product description

<b>Host</b>	Mouse
<b>Antibody Type</b>	Monoclonal
<b>Isotype</b>	IgG1
<b>Clone</b>	MX823
<b>Immunogen</b>	Synthetic c-terminal peptide (aa632-649) coupled to KLH
<b>Formulation</b>	Contains 0.09% sodium azide
<b>UniprotID</b>	A1L5A7 (Bovine), Q16643 (Human), Q9QXS6 (Mouse), Q07266 (Rat)
<b>Synonym</b>	Drebrin, Developmentally-regulated brain protein, DBN1, D0S117E
<b>Note</b>	Centrifuge prior to opening
<b>Conjugate</b>	Unconjugated
<b>Purification</b>	Ascites
<b>Storage</b>	Short term at 2-8°C; long term storage in aliquots at -20°C; avoid freeze/thaw cycles
<b>Intended use</b>	Research use only
<b>Application</b>	ICC/IF, IHC, IP, WB
<b>Reactivity</b>	Bovine, Dog, Human, Mouse, Rat

#### Applications

<b>Immunocytochemistry (ICC)</b>	Assay dependent
<b>Immunohistochemistry (IHC) - frozen</b>	At least 1:100
<b>Immunoprecipitation (IP)</b>	Assay dependent
<b>Western Blot (WB)</b>	Assay dependent

#### 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
<a href="#">Domke, L and Franke, W. The cell-cell junctions of mammalian testes..., Cell Tissue Res, 375, 451-482, (2019)</a>	bovine	ICC-IF
<a href="#">Uddin, B. et al. The human phosphatase CDC14A modulates primary cilium length by regulating centrosomal actin nucleation. EMBO.Rep. 20, (2019)</a>	human	WB
<a href="#">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).</a>	human	WB,IHC (frozen),ICC-IF,IEM