

## Product datasheet

### anti-Drebrin guinea pig polyclonal, serum

#### Short overview

<b>Cat. No.</b>	GP823
<b>Quantity</b>	100 µl

#### Product description

<b>Host</b>	Guinea pig
<b>Antibody Type</b>	Polyclonal
<b>Immunogen</b>	Synthetic human peptide (aa 324-343) coupled to KLH
<b>Formulation</b>	Contains 0.09% sodium azide and 0.5% BSA
<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>	Stabilized antiserum
<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, Human, Mouse, Rat

#### Applications

<b>Immunocytochemistry (ICC)</b>	Assay dependent
<b>Immunohistochemistry (IHC) - frozen</b>	1:100
<b>Immunohistochemistry (IHC) - paraffin</b>	1:100 (microwave treatment recommended)
<b>Immunoprecipitation (IP)</b>	Assay dependent
<b>Western Blot (WB)</b>	Assay dependent

#### Background

The antiserum specifically reacts with drebrin isoforms E2 and A, widespread actin-associating proteins of 70 kD (SDS-PAGE mobility shows Mr 120,000). Drebrin has originally been described only in neuronal cells, but has been recently found also in the actin-rich lamellipodia and filopodia of motile cells. 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: PLC, U333, HUVEC, HaCat, HeLa, MCF-7, SV-80; B1; B16 (mouse melanoma cells).

## Product images



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## References

Publication	Species	Application
<a href="#">Peitsch, W. K. Cell biological and biochemical characterization of drebrin complexes in mesangial cells and podocytes of renal glomeruli. J. Am. Soc. Nephrol. 14, 1452-1463 (2003).</a>	human,mouse,rat	IHC (frozen)