

Product datasheet

anti-Drebrin guinea pig polyclonal, serum

Short overview

Cat. No.	GP823
Quantity	100 µl

Product description

Host	Guinea pig
Antibody Type	Polyclonal
Immunogen	Synthetic human peptide (aa 324-343) coupled to KLH
Formulation	Contains 0.09% sodium azide and 0.5% BSA
UniprotID	A1L5A7 (Bovine),Q16643 (Human),Q9QXS6 (Mouse),Q07266 (Rat)
Synonym	Drebrin, Developmentally-regulated brain protein, DBN1, D0S117E
Note	Centrifuge prior to opening
Conjugate	Unconjugated
Purification	Stabilized antiserum
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, Human, Mouse, Rat

Applications

Immunocytochemistry (ICC)	Assay dependent
Immunohistochemistry (IHC) - frozen	1:100
Immunohistochemistry (IHC) - paraffin	1:100 (microwave treatment recommended)
Immunoprecipitation (IP)	Assay dependent
Western Blot (WB)	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
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).	human,mouse,rat	IHC (frozen)