

Product: Anti-Drebrin
Catalog #: 03-GP823
Amount: 25 µl

CATEGORY: Guinea pig Polyclonal (gp drebE2/A)
FORM: Whole Antiserum containing 0.1% sodium azide
IMMUNOGEN: Synthetic human peptide (aa 324-343) conjugated to KLH
DESCRIPTION/SPECIFICITY: The antiserum specifically reacts with drebrin isoforms E2 and A, a widespread actin-associating protein 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

ANTIGEN RECOGNIZED IN

SPECIES (tested so far): Human, bovine, rat, mouse

REACTIVITIES IN CULTURE

CELL LINES (tested so far): PLC, U333, HUVEC, HaCat, HeLa, MCF-7, SV-80; B1; B16 (mouse melanoma cells)

POSITIVE CONTROL: Murine brain, retina

APPLICATION: Immunohistochemistry on frozen (paraformaldehyde fixed) and paraffin (microwave treatment) sections

Immunofluorescence microscopy

Immunoblotting (western, ECL)

Immunoprecipitation

Cytological material

WORKING DILUTION: 1:100 for immunohistochemical applications

INCUBATION TIME: 1 hour at room temperature (extended with paraffin)

STORAGE: 2-8°C for immediate use, or at -20°C (aliquot)

REFERENCES:

Peitsch WK. et al. (1999) Eur J Cell Biol **78**: 767-778

Peitsch WK. (2001) Eur J Cell Biol **80**: 567-579

Peitsch WK. et al. (2002) Submitted

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