

## Product datasheet for **BP5114**

### Drebrin (DBN1) (254-272) Guinea Pig Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, IP, WB
Recommended Dilution:	<b>Immunoblotting</b> (assay dependent). <b>Immunoprecipitation</b> (assay dependent). <b>Immunofluorescence Immunocytochemistry</b> (assay dependent). <b>Immunohistochemistry on Frozen Sections:</b> 1/100. <b>Immunohistochemistry on Paraffin Embedded Tissue Sections:</b> 1/100 (microwave method highly recommended), Cytological Material. <i>Incubation Time:</i> 1h at RT, extended with Paraffin.
Reactivity:	Bovine, Human, Mouse, Rat
Host:	Guinea Pig
Clonality:	Polyclonal
Immunogen:	Synthetic Human peptide (aa 254-272) coupled to KLH.
Specificity:	The antiserum specifically reacts with Drebrin. Reacts with PLC, U333, HUVEC, HaCat, HeLa, MCF-7, SV-80; B1; B16 (Mouse melanoma cells).
Formulation:	State: Serum State: Liquid Whole Antiserum Preservative: 0.09% Sodium Azide
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	drebrin 1
Database Link:	<a href="#">Entrez Gene 1627 Human Q16643</a>



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**Background:**

Drebrin is 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.

**Synonyms:**

DBN1, DBN-1, D0S117E, DKFZp434D064, drebrin 1