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[Primary Antibody]

Rabbit Anti-EHBP1 antibody

Catalog Number: SL14523R

FOR RESEARCH USE ONLY

[DATASHEET]

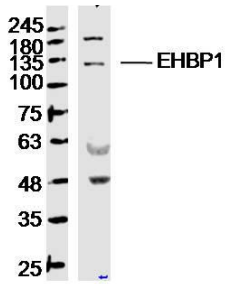
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	EHBP1
Immunogen:	KLH conjugated synthetic peptide derived from human EHBP1: 21-120/1231
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 IHC-P=1:100-500 IHC-F=1:100-500 IF=1:100-500 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human,Rat(predicted:Mouse,Dog,Pig,Cow,Horse,Rabbit,Sheep)
Predicted MW.:	140kDa
Subcellular Location:	cytoplasmic The cell membrane
Background:	This gene encodes an Eps15 homology domain binding protein. The encoded protein may play a role in endocytic trafficking. A single nucleotide polymorphism in this gene is associated with an aggressive form of prostate cancer. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Feb 2010] **Function:** EHBP1 links clathrin-mediated endocytosis to the actin cytoskeleton and may play a role in actin organisation. **Subunit:** Interacts with EHD2. **Subcellular Location:** Cell Membrane and Cytoplasmic DISEASE: Prostate cancer, hereditary, 12 (HPC12) [MIM:611868]: A condition associated with familial predisposition to cancer of the prostate. Most prostate cancers are adenocarcinomas that develop in the acini of the

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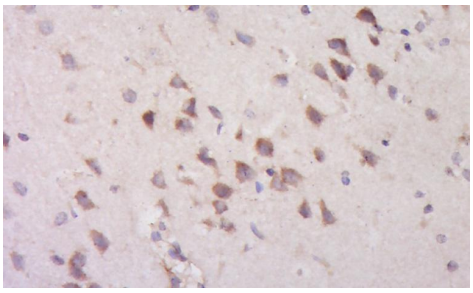
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	prostatic ducts. Other rare histopathologic types of prostate cancer that occur in approximately 5% of patients include small cell carcinoma, mucinous carcinoma, prostatic ductal carcinoma, transitional cell carcinoma, squamous cell carcinoma, basal cell carcinoma, adenoid cystic carcinoma (basaloid), signet-ring cell carcinoma and neuroendocrine carcinoma. Note=Disease susceptibility is associated with variations affecting the gene represented in this entry. **Similarity:** Contains 1 CH (calponin-homology) domain. **Database links:** **Entrez Gene:** 23301 Human Omim: 609922 Human **SwissProt:** Q8NDI1 Human

[VALIDATION IMAGES]



Sample:
293T(Human) Cell Lysate at 40 ug
Primary: Anti-EHBP1 (SL14523R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 140 kD
Observed band size: 134 kD



Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (EHBP1) Polyclonal Antibody, Unconjugated (SL14523R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

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