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Product datasheet for AP54841PU-N

Cep290 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC, WB
Recommended Dilution:	**ELISA.** **Western Blot:** 1/1000-1/5000. **Immunohistochemistry:** 1/100-1/1000.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide derived from C-terminal domain of Mouse Cep290.
Specificity:	Reacts with Mouse 290 kDa Cep290 protein.
Formulation:	0.1M Tris, 0.1M Glycine and 2% Sucrose State: Purified State: Lyophilized purified powder Preservative: None
Reconstitution Method:	Restore in distilled water.
Purification:	Affinity Chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Prior to reconstitution store the antibody at -20°C. Store reconstituted antibody 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:	centrosomal protein 290
Database Link:	Entrez Gene 216274 Mouse Q6A078

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Background: CEP290 activates ATF4 mediated transcription and is required for the correct localization of ciliary and phototransduction proteins in retinal photoreceptor cells; may play a role in ciliary transport processes. CEP290 is ubiquitously expressed; strongly in placenta and weakly in brain. There are two named isoforms. Defects in CEP290 are a cause of Joubert syndrome type 5 (JBTS5) [MIM:610188], Senior-Loken syndrome type 6 (SLSN6) [MIM:610189], Leber congenital amaurosis type 10 (LCA10) [MIM:611755] and Meckel syndrome type 4 (MKS4) [MIM:611134]. Antibodies against CEP290 are present in sera from patients with cutaneous T cell lymphomas, but not in the healthy control population.

Synonyms: Centrosomal protein of 290 kDa, Nephrocystin-6, KIAA0373, NPHP6, se2-2, CT87