

## Product datasheet for **AP55302PU-N**

### Sprouty 4 (SPRY4) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC, WB
Recommended Dilution:	<b>ELISA.</b> <b>Western Blot:</b> 1/500-1/2000. <b>Immunohistochemistry:</b> 1/100-1/500.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide derived from N-terminal region of Sprouty homolog 4 (Spry-4)
Specificity:	Reacts with Human 32 kDa Spry-4 protein. Cross reacts with Mouse, Bovine and Chicken.
Formulation:	0.1M Tris, 0.1M Glycine and 2% Sucrose State: Purified State: Lyophilized purified antibody Preservative: None
Reconstitution Method:	Restore in distilled water.
Concentration:	lot specific
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:	sprouty RTK signaling antagonist 4
Database Link:	<a href="#">Entrez Gene 81848 Human Q9C004</a>



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**Background:**

Sprouty-4 (also known as SPRY4) is an inhibitor of the insulin receptor and EGFR-transduced mitogen-activated protein kinase (MAPK) signaling pathway downstream of FGF and EGF receptor tyrosine kinase activation. It is positioned upstream of RAS activation and impairs the formation of active GTP-RAS. SPRY4 is widely expressed, with different isoforms. The protein consists of 322 amino acids, with a cysteine-rich region, Src homology 3 binding regions, proline-rich regions, and a PEST sequence. It is expressed predominantly in the cytoplasm. Northern results show bands across most tissues, with strongest expression in heart, brain, placenta, lung, and intestine.

**Synonyms:**

Spry-4, Sprouty 4