

## Goat anti-Sprouty Antibody

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| <b>Item Number</b>     | dAP-0500  |
| <b>Target Molecule</b> | Principle Name: Sprouty; Official Symbol: SPRY1; All Names and Symbols: SPRY1; hSPRY1; sprouty homolog 1, antagonist of FGF signaling (Drosophila); sprouty (Drosophila) homolog 1 (antagonist of FGF signaling); sprouty, Drosophila, homolog of, 1 (antagonist of FGF signaling); Accession Number (s): NP_005832.1; NP_955359.1; Human Gene ID(s): 10252; Non-Human GeneID(s): |
| <b>Immunogen</b>       | CPSRGQGKPS, is from C Terminus<br>NP_005832.1 and NP_955359.1 represent variants of the same protein.   |
| <b>Applications</b>    | Pep ELISA, WB, IF, FC, IHC<br><br>Species Tested: Human, Mouse  |
| <b>Purification</b>    | Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.   |
| <b>Supplied As</b>     | lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.<br>Aliquot and store at -20°C. Minimize freezing and thawing.  |
| <b>Peptide ELISA</b>   | Peptide ELISA: antibody detection limit dilution 1 to 16000.  |
| <b>Western Blot</b>    | Western Blot: Approx 37kDa band observed in Human Kidney lysates (calculated MW of 35.1kDa according to NP_005832.1 ). Recommended concentration: 0.3-1µg/ml. Primary incubation 1 hour at room temperature. This product has been successfully used in ERMS  |
| <b>IHC</b>             | Immunohistochemistry: This product has been successfully used by customers in paraffin embedded Mouse Brain, showing nuclear staining. Recommended concentration: 1-3µg/ml.   |
| <b>Reference</b>       | Reference(s): Hanafusa H, Torii S, Yasunaga T, Matsumoto K, Nishida E. Shp2, an SH2-containing protein-tyrosine phosphatase, positively regulates receptor tyrosine kinase signaling by dephosphorylating and inactivating the inhibitor Sprouty. J Biol Chem. 2004 May 28;279(22):22992-5..PMID: 15031289 ->   |

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**