

Goat anti-SIM2 Antibody

Item Number	dAP-2288
Target Molecule	Principle Name: SIM2; Official Symbol: SIM2; All Names and Symbols: SIM2; single-minded homolog 2 (Drosophila); MGC119447; SIM; bHLHe15; OTTHUMP00000109044; class E basic helix-loop-helix protein 15; single-minded homolog 2; single-minded homolog 2, short isoform; transcription factor SIM2; Accession Number (s): NP_005060.1; NP_033664.2; Human Gene ID(s): 6493; Non-Human GenID(s): 20465 (mouse) 304071 (rat)
Immunogen	SDLLYTPSYS, is from internal region This antibody is expected to recognize all reported isoforms (NP_005060.1; NP_033664.2).
Applications	Pep ELISA, WB Species Tested: Mouse
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	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. Aliquot and store at -20°C. Minimize freezing and thawing.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 1000.
Western Blot	Western Blot: Approx 80kDa band observed in fetal Mouse Kidney lysates (calculated MW of 73.2kDa according to Human NP_005060.1) and 72.5kDa according to Mouse NP_035507.2. Recommended concentration: 0.5-2µg/ml.
IHC	
Reference	Reference(s): Fei Q, Wu ZH, Zhou X, Wang H, Wang NG, Yin RF, Wang YP, Qiu GX, [Association study of SIM2 gene polymorphisms with susceptibility to congenital scoliosis in a Chinese Han population] Zhong-hua yi xue za zhi 2009 Nov 89 (41): 2888-93..PMID: 20137643->

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 end users! This product is sold for **Research Use Only**