

Goat anti-S100A9 Antibody

Item Number	dAP-1709
Target Molecule	Principle Name: S100A9; Official Symbol: S100A9; All Names and Symbols: S100A9; S100 calcium binding protein A9; 60B8AG; CAGB; CFAG; CGLB; L1AG; LIAG; MAC387; MIF; MRP14; NIF; P14; S100 calcium binding protein A9 (calgranulin B); S100 calcium-binding protein A9; S100 calcium-binding protein A9 (calgranulin B); calgranulin B; Accession Number (s): NP_002956.1; Human Gene ID(s): 6280; Non-Human GeneID(s):
Immunogen	DTNADKQLSFEEF , is from internal region
Applications	Pep ELISA, WB, IHC Species Tested: Human
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 8000.
Western Blot	Western Blot: Approx 16kDa band observed in Human Peripheral Blood Mononucleocytes lysates (calculated MW of 13.2kDa according to NP_002956.1). The observed molecular weight corresponds to earlier findings (~15kDa) in literature with different antibody
IHC	Immunohistochemistry: In paraffin embedded Human Lung shows nuclear staining in select cells. Recommended concentration: 2-4µg/ml. Paraffin embedded Human Liver. Recommended concentration: 2.5µg/ml.
Reference	Reference(s): Corbin BD, Seeley EH, Raab A, Feldmann J, Miller MR, Torres VJ, Anderson KL, Dattilo BM, Dunman PM, Gerads R, Caprioli RM, Nacken W, Chazin WJ, Skaar EP. Metal chelation and inhibition of bacterial growth in tissue abscesses. Science. 2008 Feb 15;319(5865):962-5..PMID: 18276893->

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**