Goat anti-KMT2D/MLL2 Antibody

Item Number	dAP-0437
Target Molecule	Principle Name: KMT2D/MLL2; Official Symbol: KMT2D; All Names and Symbols: MLL2; myeloid/lymphoid or mixed-lineage leukemia 2; ALR; ALL1-related gene; AAD10; CAGL114; KMT2D; MLL4; TNRC21; ALL1-related; trinucleotide repeat containing 21, KMS, KABUK1, Lysine methyltransferase 2D; Accession Number (s): NP_003473.3; Human Gene ID(s): 8085; Non-Human GeneID(s):
Immunogen	DSQNLAGEDKDSQ, is from N Terminus The immunizing peptide was designed from NP_003473.1. Since then the sequence has changed in the databases and currently differs at two locations in NP_003473.3.
Applications	Pep ELISA, 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; Reconsititute 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 16000.
Western Blot	Western Blot: Using our routine western blotting protocol we would not expect to reliably detect proteins larger than 250kDa (calculated MW of approx. 593KDa according to NP_003473.3).
IHC	Immunohistochemistry: In paraffin embedded Human Placenta shows nuclear stainng in the trophoblasts . Similar nuclear patches are observed in Human Liver. Recommended concentration: 4-8μg/ml.
Reference	Reference(s): Prasad R, Zhadanov AB, Sedkov Y, Bullrich F, Druck T, Rallapalli R, Yano T, Alder H, Croce CM, Huebner K, Mazo A, Canaani E. Structure and expression pattern of human ALR, a novel gene with strong homology to ALL-1 involved in acute leukemia and to Drosophila trithorax. Oncogene. 1997 Jul

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