

Goat anti-HOXA1 Antibody

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| Item Number | dAP-2191 |
| Target Molecule | Principle Name: HOXA1; Official Symbol: HOXA1; All Names and Symbols: HOXA1; homeobox A1; BSAS; HOX1; HOX1F; MGC45232; HOX A1 homeodomain protein; Hox 1.6-like protein; homeo box A1; homeobox 1F; homeobox protein HOX-A1; lab-like protein; Accession Number (s): NP_005513.1; NP_705873.2; Human Gene ID(s): 3198; Non-Human GeneID(s): 15394 (mouse) 25607 (rat) |
| Immunogen | QPATYQTSGN, is from internal region This antibody is expected to recognize reported isoforms a and b (NP_005513.1; NP_705873.2). |
| Applications | Pep ELISA, WB Trf 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: In transfected HEK293 transiently expressing Human HOXA1 (MYC and DYKDDDDK tagged), a band of approx. 19kDa is observed. No bands are observed in mock-transfected HEK293 and the same band is observed using anti-MYC Tag antibody. Recommended |
| IHC | |
| Reference | Reference(s): Chakrabarti B, Dudbridge F, Kent L, Wheelwright S, Hill-Cawthorne G, Allison C, Banerjee-Basu S, Baron-Cohen S, Genes related to sex steroids, neural growth, and social-emotional behavior are associated with autistic traits, empathy, and Asperger syndrome. <i>Autism research : official journal of the</i> |

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**