

Goat anti-MURF2 / TRIM55 Antibody

Item Number	dAP-0187
Target Molecule	Principle Name: MURF2 / TRIM55; Official Symbol: TRIM55; All Names and Symbols: TRIM55; RNF29; MURF-2; ring finger protein 29; for muscle specific ring finger 2; tripartite motif-containing 55; muscle specific ring finger 2; Accession Number (s): NP_908973.1; NP_908974.1; NP_908975.1; Human Gene ID(s): 84675; Non-Human GeneID(s): 381485 (mouse) 365751 (rat)
Immunogen	HIFSFSLWNLNE, is from C Terminus This antibody is expected to recognize isoforms 1, 3 and 4 (NP_908973.1, NP_908974.1 and NP_908975.1 resp.).
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 16000.
Western Blot	Western Blot: Approx 85kDa band observed in Human Heart lysates (calculated MW of 60.5kDa according to NP_908973.1). The observed molecular weight corresponds to earlier findings in literature with the same antibody (Willis et al, Circ Res. 2007 Mar 2;10
IHC	Immunohistochemistry: Paraffin embedded Human Heart. Recommended concentration: 10µg/ml.
Reference	Reference(s): Centner T, Yano J, Kimura E, McElhinny AS, Pelin K, Witt CC, Bang ML, Trombitas K, Granzier H, Gregorio CC, Sorimachi H, Labeit S. Identification of muscle specific ring finger proteins as potential regulators of the titin kinase domain. <i>J Mol Biol.</i> 2001 Mar 2;306(4):717-26.. PMID: 11243782 ->

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**