

## Goat anti-ORAI1 / CRACM1 Antibody

<b>Item Number</b>	dAP-1653
<b>Target Molecule</b>	Principle Name: ORAI1 / CRACM1; Official Symbol: ORAI1; All Names and Symbols: ORAI1; CRACM1; ORAI calcium release-activated calcium modulator 1; FLJ14466; ORAT1; TMEM142A; calcium release-activated calcium channel protein 1; calcium release-activated calcium modulator 1; transmembrane protein 142A; Accession Number (s): NP_116179.2; Human Gene ID(s): 84876; Non-Human GeneID(s): 109305 (mouse)
<b>Immunogen</b>	KKQPGQPRPTSKP, is from internal region
<b>Applications</b>	Pep ELISA, WB Species Tested: Human
<b>Purification</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Supplied As</b>	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.
<b>Peptide ELISA</b>	Peptide ELISA: antibody detection limit dilution 1 to 64000.
<b>Western Blot</b>	Western Blot: Approx. 50-55kDa band observed in Human Liver and Human Placenta lysates (calculated MW of 32.7kDa according to NP_116179.2). The observed molecular weight corresponds to earlier findings in literature with different antibodies (Li et al, ,
<b>IHC</b>	
<b>Reference</b>	Reference(s): Vig M, DeHaven WI, Bird GS, Billingsley JM, Wang H, Rao PE, Hutchings AB, Jouvin MH, Putney JW, Kinet JP. Defective mast cell effector functions in mice lacking the CRACM1 pore subunit of store-operated calcium release-activated calcium channels. <i>Nat Immunol.</i> 2008 Jan;9(1):89-96. Epub 2007

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**