

**bs-18790R****[ Primary Antibody ]****phospho-MERTK (Tyr749) Rabbit pAb**

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**— DATASHEET —**

<p><b>Host:</b> Rabbit</p> <p><b>Clonality:</b> Polyclonal</p> <p><b>GeneID:</b> 10461</p> <p><b>Target:</b> phospho-MERTK (Tyr749)</p> <p><b>Immunogen:</b> KLH conjugated synthesised phosphopeptide derived from human MERTK around the phosphorylation site of Tyr749: KI(p-Y)SG.</p> <p><b>Purification:</b> affinity purified by Protein A</p> <p><b>Concentration:</b> 1mg/ml</p> <p><b>Storage:</b> 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.</p> <p><b>Background:</b> The Major Facilitator Superfamily (MFS) is a large and diverse group of secondary transporters that includes uniporters, symporters, and antiporters. MFS proteins facilitate the transport across cytoplasmic or internal membranes of a variety of substrates including ions, sugar phosphates, drugs, neurotransmitters, nucleosides, amino acids, and peptides. They do so using the electrochemical potential of the transported substrates. Uniporters transport a single substrate, while symporters and antiporters transport two substrates in the same or in opposite directions, respectively, across membranes. Peptide-transporters 2 [solute carrier family 15 (H<sup>+</sup>/peptide transporter), member 2; SLC15A2; PEPT2 ; Oligopeptide transporter, kidney isoform ; Kidney H<sup>(+)</sup>/peptide cotransporter; ].</p>	<p><b>Isotype:</b> IgG</p> <p><b>SWISS:</b> Q12866</p> <p><b>Applications:</b> <b>ELISA</b> (1:5000-10000)</p> <p><b>Reactivity:</b> (predicted: Human, Mouse, Rat)</p> <p><b>Predicted MW.:</b> 108 kDa</p> <p><b>Subcellular Location:</b> Cell membrane</p>
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**— SELECTED CITATIONS —**

- **[IF=5.546]** Yang H et al. Homeobox C8 inhibited the osteo - /dentinogenic differentiation and migration ability of stem cells of the apical papilla via activating KDM1A. J Cell Physiol . 2020 Apr 4. IHC ;human. 32246725
- **[IF=3.641]** Arshad Zahoor et al. MerTK negatively regulates Staphylococcus aureus induced inflammatory response via Toll-like receptor signaling in the mammary gland. Mol Immunol . 2020 Apr 2;122:1-12. WB ;mouse. 32247834