bs-5531R **[Primary Antibody]**

phospho-PKMYT1 (Thr495) Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 9088 **SWISS:** Q99640

Target: PKMYT1 (Thr495)

Immunogen: KLH conjugated Synthesised phosphopeptide derived from human PKMYT1 around the phosphorylation site of Thr495: ED(p-T)LD.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 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.

Background: This gene encodes a member of the serine/threonine protein kinase family. The encoded protein is a membrane-associated kinase that negatively regulates the G2/M transition of the cell cycle by phosphorylating and inactivating cyclin-dependent kinase 1. The activity of the encoded protein is regulated by polo-like kinase 1. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, May 2012]

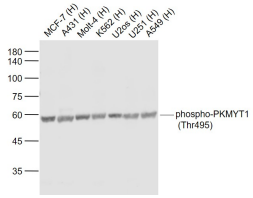
Applications: **WB** (1:500-2000)

Reactivity: Human

Predicted MW.: 55 kDa

Subcellular Location: Cytoplasm

VALIDATION IMAGES



Sample: Lane 1: MCF-7 (Human) Cell Lysate at 30 ug Lane 2: A431 (Human) Cell Lysate at 30 ug Lane 3: Molt-4 (Human) Cell Lysate at 30 ug Lane 4: K562 (Human) Cell Lysate at 30 ug Lane 5: U2os (Human) Cell Lysate at 30 ug Lane 6: U251 (Human) Cell Lysate at 30 ug Lane 7: A549 (Human) Cell Lysate at 30 ug Primary: Anti-phospho-PKMYT1 (Thr495) (bs-5531R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 55 kD Observed band size: 55 kD

SELECTED CITATIONS

- **[IF=6.714]** Xu,et al.Ablation of PPARγ in subcutaneous fat exacerbates age-associated obesity and metabolic decline.(2018) Aging Cell. 17:. WB ;Mouse. 29383825
- **[IF=3.82]** Xu,et al.Adipocytes affect castration-resistant prostate cancer cells to develop the resistance to cytotoxic action of NK cells with alterations of PD-L1/NKG2D ligand levels in tumor cells.(2018) The Prostate. 78:353-364. WB ;Human. 29330929