

**bs-17863R****[ Primary Antibody ]****BioSS**  
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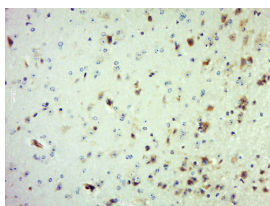
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**MSTO1 Rabbit pAb****— DATASHEET —**

<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> IHC-P (1:100-500)
<b>Clonality:</b> Polyclonal		<b>IHC-F</b> (1:100-500)
<b>GeneID:</b> 55154	<b>SWISS:</b> Q9BUK6	<b>IF</b> (1:100-500)
<b>Target:</b> MSTO1		<b>Reactivity:</b> Mouse (predicted: Human, Rat, Rabbit)
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human MSTO1: 151-250/570.		
<b>Purification:</b> affinity purified by Protein A		<b>Predicted MW.:</b> 62 kDa
<b>Concentration:</b> 1mg/ml		<b>Subcellular Location:</b> Cytoplasm
<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.		
<b>Background:</b> Drosophila melanogaster is a proven and effective model for studying developmental and cellular processes common to higher eukaryotes. Approximately 13,600 genes have been elucidated from more than 120 megabases of euchromatin, and they are organized among the chromosomes 2, 3, 4, X and Y, with the Y chromosome being predominately heterochromatic (1). Drosophila genes can be categorized based on the type of protein for which they encode and are represented by six major classifications, which include intracellular signaling proteins, transmembrane proteins, RNA binding proteins, secreted factors, transcription regulators (basic helix-loop-helix, homeodomain containing, zinc finger containing, and chromatin associated) or other functional proteins (2). The misato gene encodes a protein that contains a mixture of peptide motifs found in alpha-, beta-, and gamma-tubulins, as well as a motif related to part of the myosin heavy chain proteins (3-5). Null mutations at the misato locus of Drosophila melanogaster are associated with irregular chromosomal segregation at cell division and result in larvae that have reduced levels of imaginal disk tissue, a reduction in brain size, and die during the larval stage of development (4,5).		

**— VALIDATION IMAGES —**

Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (MSTO1) Polyclonal Antibody, Unconjugated (bs-17863R) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.