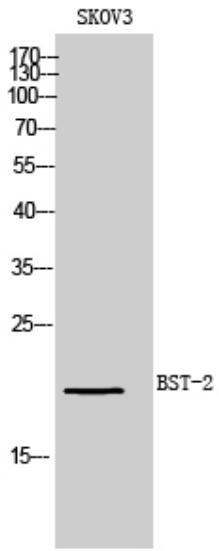
BST-2 Polyclonal Antibody

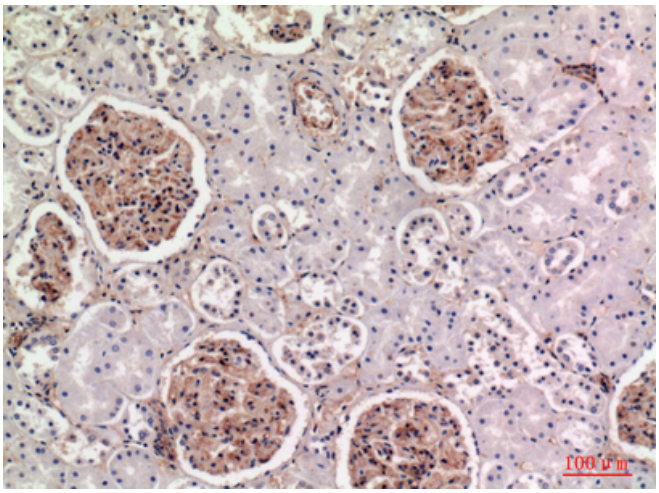
Catalog No	YP-Ab-14066
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;IHC;IF;ELISA
Gene Name	BST2
Protein Name	Bone marrow stromal antigen 2
Immunogen	The antiserum was produced against synthesized peptide derived from the Internal region of human BST2. AA range:101-150
Specificity	BST-2 Polyclonal Antibody detects endogenous levels of BST-2 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB: 1/500 - 1/2000. IHC-p: 1:100-1:300. ELISA: 1/10000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	BST2; Bone marrow stromal antigen 2; BST-2; HM1.24 antigen; Tetherin; CD317
Observed Band	20kD
Cell Pathway	Golgi apparatus, trans-Golgi network. Cell membrane ; Single-pass type II membrane protein. Cell membrane ; Lipid-anchor, GPI-anchor . Membrane raft. Cytoplasm. Apical cell membrane . Shuttles between the cell membrane, where it is present predominantly in membrane/lipid rafts, and the trans-Golgi network. Forms a complex with MMP14 and localizes to the cytoplasm.; Golgi apparatus, trans-Golgi network . Late endosome . (Microbial infection) HIV-1 VPU and HIV-2 ENV can target it to the trans-Golgi network thus sequestering it away from virus assembly sites on the cell membrane. Targeted to late endosomes upon KSHV infection and subsequent ubiquitination. .
Tissue Specificity	Predominantly expressed in liver, lung, heart and placenta. Lower levels in pancreas, kidney, skeletal muscle and brain. Overexpressed in multiple myeloma cells. Highly expressed during B-cell development, from pro-B precursors to plasma cells. Highly expressed on T-cells, monocytes, NK cells and dendritic cells (at protein level).
Function	disease:May play a role in B-cell activation in rheumatoid arthritis (RA).,function:May be involved in the sorting of secreted proteins (By similarity). May be involved in pre-B-cell growth. Antiretroviral defense protein, that blocks release of retrovirus from the cell surface. Depleted unpon HIV-1 infection by viral VPU protein through 20S proteasome degradation.,induction:During B-cell

	activation (at protein level), or by interferon alpha as part of entiviral state cellular program.,subunit:Homodimer.,tissue specificity:Predominantly expressed in liver, lung, heart and placenta. Lower levels in pancreas, kidney, skeletal muscle and brain. Overexpressed in multiple myeloma cells. Highly expressed during B-cell development, from pro-B precursors to plasma cells. Highy expressed on T-cells, monocytes, NK cells and dendritic cells (at protein level).,
Background	Bone marrow stromal cells are involved in the growth and development of B-cells. The specific function of the protein encoded by the bone marrow stromal cell antigen 2 is undetermined; however, this protein may play a role in pre-B-cell growth and in rheumatoid arthritis. [provided by RefSeq, Jul 2008],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of SKOV3 cells using BST-2 Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded human-kidney, antibody was diluted at 1:100