

Rabbit BST2 Polyclonal Antibody | anti-BST2 antibody

Anti-BST2 Antibody, Rabbit Polyclonal

CATALOG # AAA255162	HOST Rabbit	REACTIVITY Chinese hamster	APPLICATIONS Immunohistochemistry
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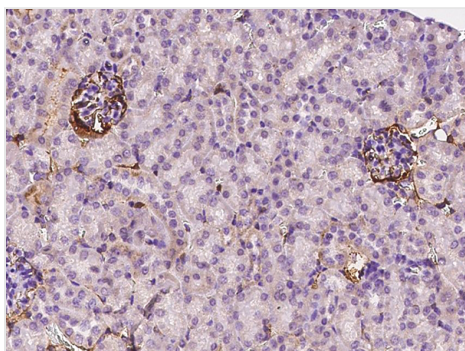
PRODUCT SYNONYMS

BST2; Polyclonal Antibody; Anti-BST2 Antibody; Rabbit Polyclonal; BST2 Antibody; Rabbit PAb; Antigen Affinity Purified; bone marrow stromal cell antigen 2; anti-BST2 antibody

PRODUCT SPECIFICATIONS

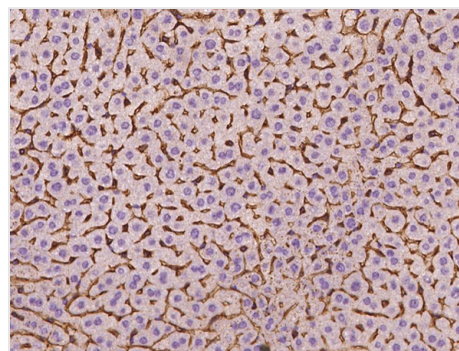
Host	Rabbit
Reactivity	Chinese hamster
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Chinese hamster BST2
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-BST2 antibody	IHC (Immunohistochemistry)
Immunogen	A synthetic peptide corresponding to the center region of the Chinese hamster BST2
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the center region of the Chinese hamster BST2, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunochemical staining of mouse BST2 in mouse kidney with rabbit polyclonal antibody at 1:1000 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining of mouse BST2 in mouse liver with rabbit polyclonal antibody at 1:1000 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-BST2 antibody	BST2 was frequently overexpressed in GC tissues compared with the adjacent non-tumorous tissues, and high BST2 expression was correlated with tumor stage and lymphatic metastasis. Furthermore, in vitro experiments demonstrated that knockdown of BST2 by siRNA inhibited cell proliferation, induced apoptosis and repressed cell motility in GC cells. In addition, the pro-tumor function of BST2 in GC was mediated partly through the NF-kappaB signaling. BST2 possesses the oncogenic potential in GC by regulating the proliferation, apoptosis, and migratory ability of GC cells, thereby BST2 could be a potential therapeutic target for the treatment of GC. IFN (interferon)-induced BST2 recruits the E3 ubiquitin ligase MARCH8 to catalyze the K27-linked ubiquitination of MAVS for CALCOCO2-directed autophagic degradation, hence inhibiting DDX58-mediated type I interferon signaling through a negative feedback loop. BST2 is a host protein with dual functions in response to viral infections: it traps newly assembled enveloped virions at the plasma membrane in infected cells, and it induces NF-kappaB activity, especially in the context of retroviral assembly. BST2 may induce or amplify proinflammatory signaling during Ebola virus infection, potentially contributing to the dysregulated cytokine response that is a hallmark of Ebola virus disease.
References	Ishikawa J, et al. (1995) Molecular cloning and chromosomal mapping of a bone marrow stromal cell surface gene, BST2, that may be involved in pre-B-cell growth. Genomics. 26 (3): 527-34.Viswanathan K, et al. (2011) BST2/Tetherin enhances entry of human cytomegalovirus. PLoS Pathog. 7(11):e1002332.Gifford RJ. (2011) No trespassing: ancient BST2 deletion confers protection against simian immunodeficiency virus infection of humans. Hum Mutat. 32(11).

NCBI AND UNIPROT INFORMATION

NCBI GI #	346421357
NCBI GeneID	100689092
NCBI Accession #	NP_001231044.1
NCBI GenBank Nucleotide #	NM_001244115.1
UniProt Accession #	Q6WRU0
Molecular Weight	22,826 Da
NCBI Official Full Name	bone marrow stromal antigen 2
NCBI Official Symbol	Bst2
NCBI Official Synonym Symbols	Greg; BST-2
NCBI Protein Information	bone marrow stromal antigen 2
UniProt Protein Name	Bone marrow stromal antigen 2
UniProt Gene Name	Bst2
UniProt Synonym Gene Names	BST-2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.