

Anti-TRIM5 gamma Antibody

Catalog Number: A01359

About TRIM5

TRIM5 is a member of a broad family of otherwise unrelated proteins defined by the presence of a tripartite motif containing a RING domain, a B-box type 1, and a B-box type 2, followed by a coiled-coil region. TRIM5 has five alternately spliced isoforms, the longest of which is the alpha variant which also contains a carboxy-terminal B30.2 (SPRY) domain. While a function has not yet been assigned to TRIM5gamma, it is known that expression of TRIM5alpha variants from humans, rhesus monkeys, and African green monkeys enable resistance to infection by various retroviruses including HIV-1, albeit at differing efficiencies. Furthermore, the TRIM5delta isoform appears to serve as a scaffold for the assembly of endogenous BTBD1 and BTBD2 proteins and also exhibits autoubiquitination activity in a RING finger- and UbcH5B-dependent manner.

Overview

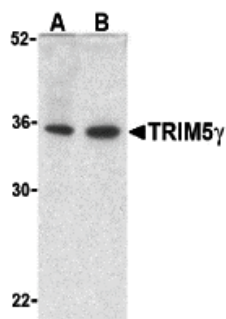
Product Name	Anti-TRIM5 gamma Antibody
Reactive Species	Human
Description	Boster Bio Anti-TRIM5 gamma Antibody (Catalog # A01359). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	TRIM5 gamma Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	TRIM5 gamma antibody can be stored at 4°C for three months and -20°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	Q9C035

Technical Details

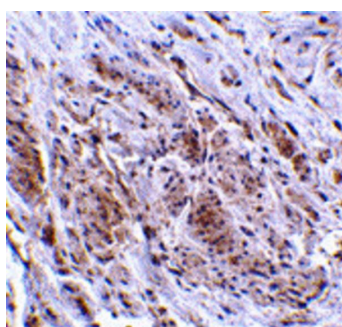
Immunogen	TRIM5 gamma antibody was raised against a synthetic peptide corresponding to 15 amino acids near the carboxy terminus of human TRIM5 gamma. The immunogen is located within the last 50 amino acids of TRIM5 gamma.
Predicted Reactive Species	Bovine, Chicken
Cross Reactivity	Four alternatively spliced transcript variants have been observed.
Isotype	IgG
Form	Liquid

Concentration	1 mg/mL
Purification	TRIM5 gamma Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>TRIM5 gamma antibody can be used for detection of TRIM5 gamma by Western blot at 2 ug/mL. A band at approximately 35 kDa can be detected. Antibody can also be used for immunohistochemistry starting at 2 ug/mL. For immunofluorescence start at 20 ug/mL.</p> <p>Antibody validated: Western Blot in human samples; Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.</p>

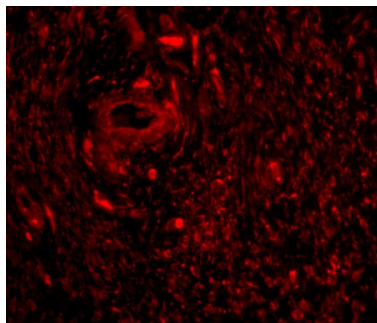
Anti-TRIM5 gamma Antibody (A01359) Images



Western blot analysis of TRIM5 gamma expression in human bladder (A) and colon (B) cell lysate with TRIM5 gamma antibody at 2 ug/ml.



Immunohistochemistry of TRIM5 gamma in human bladder tissue with TRIM5 gamma antibody at 2 ug/mL.



Immunofluorescence of TRIM5 gamma in human bladder tissue with TRIM5 gamma antibody at 20 ug/mL.

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