BOSTER
antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY
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Anti-T-cell surface antigen CD2 CD2 Antibody

Catalog Number: A00570

About CD2

Transcriptional regulator that binds to DNA as a dimer or as a tetramer, but not as a monomer. Binds to G-doublets in an A/T-rich environment; the preferred motif is a tandem repeat of 5'-. ATTGGTTA-3' combined with a 5'-TTATTA-3' box. Binds to nucleosomes By similarity. Binds to chromatin and interacts selectively with histone H3 that is not methylated at 'Lys-4', not phosphorylated at 'Thr-3' and not methylated at 'Arg-2'. Functions as a sensor of histone H3 modifications that are important for the epigenetic regulation of gene expression. Functions as a transcriptional activator and promotes the expression of otherwise tissue-specific self-antigens in the thymus, which is important for self tolerance and the avoidance of autoimmune reactions.

Nagamine K., Nat. Genet. 17:393-398(1997).
Aaltonen J., Nat. Genet. 17:399-403(1997).
Hattori M., Nature 405:311-319(2000).

Overview

Product Name	Anti-T-cell surface antigen CD2 CD2 Antibody
Reactive Species	Human
Description	Boster Bio Anti-T-cell surface antigen CD2 CD2 Antibody catalog # A00570. Tested in ELISA, IHC, WB applications. This antibody reacts with Human.
Application	ELISA, IHC, WB
Clonality	Polyclonal
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P06729

Technical Details

Immunogen	Synthesized peptide derived from human CD2.
Predicted Reactive Species	Canine, Monkey
Isotype	IgG
Form	Liquid

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Concentration	1 mg/ml
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: WB 1:500-1:2000 IHC-P 1:100-300 ELISA 1:20000

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Anti-T-cell surface antigen CD2 CD2 Antibody (A00570) Images

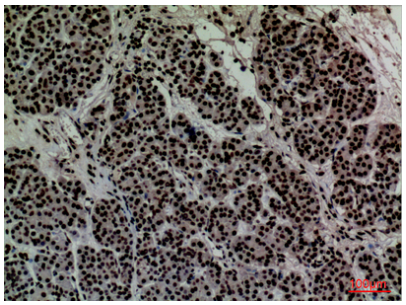

Figure 2. Immunohistochemistry validation of CD2 using Anti-T-cell surface antigen CD2 CD2 Antibody (A00570).

Immunohistochemistry (IHC) analysis of paraffin-embedded Human Pancreas

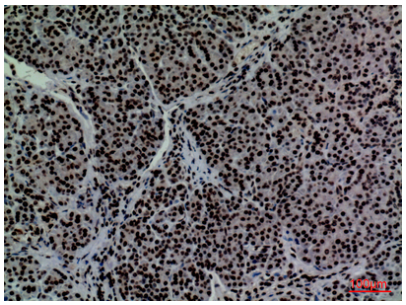

Figure 3. Immunohistochemistry validation of CD2 using Anti-T-cell surface antigen CD2 CD2 Antibody (A00570).

Immunohistochemistry (IHC) analysis of paraffin-embedded Human Pancreas

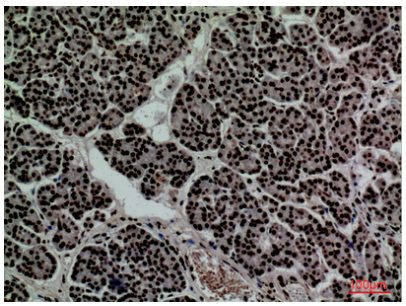

Figure 4. Immunohistochemistry validation of CD2 using Anti-T-cell surface antigen CD2 CD2 Antibody (A00570).

Immunohistochemistry (IHC) analysis of paraffin-embedded Human Pancreas

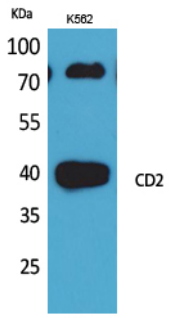

Figure 1. Western blotting validation for Anti-T-cell surface antigen CD2 CD2 Antibody A00570

Western Blot (WB) analysis of K562 cells using CD2 polyclonal antibody.
Electrophoresis was performed on a SDS-PAGE gel. To determine SDS-PAGE gel concentration