

**Goat Anti-CD2BP2 (N Terminus) Antibody**  
**Peptide-affinity purified goat antibody**  
**Catalog # AF1216a****Specification**

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**Goat Anti-CD2BP2 (N Terminus) Antibody - Product Information**

Application	WB, IHC
Primary Accession	<a href="#">O95400</a>
Other Accession	<a href="#">NP_006101</a> , <a href="#">10421</a>
Reactivity	Human
Predicted	Mouse, Rat, Dog, Cow
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	37646

**Goat Anti-CD2BP2 (N Terminus) Antibody - Additional Information****Gene ID** 10421**Other Names**

CD2 antigen cytoplasmic tail-binding protein 2, CD2 cytoplasmic domain-binding protein 2, CD2 tail-binding protein 2, U5 snRNP 52K protein, U5-52K, CD2BP2, KIAA1178

**Format**

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

Goat Anti-CD2BP2 (N Terminus) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Goat Anti-CD2BP2 (N Terminus) Antibody - Protein Information****Name** CD2BP2**Synonyms** KIAA1178**Function**

Involved in pre-mRNA splicing as component of the U5 snRNP complex that is involved in spliceosome assembly.

**Cellular Location**

Cytoplasm. Nucleus. Note=Predominantly nuclear.

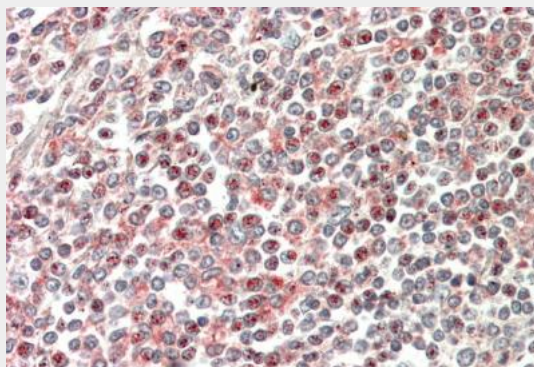
**Goat Anti-CD2BP2 (N Terminus) Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Goat Anti-CD2BP2 (N Terminus) Antibody - Images**

AF1216a (0.3 µg/ml) staining of Human Thymus lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



AF1216a (5 µg/ml) staining of paraffin embedded Human Spleen. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

**Goat Anti-CD2BP2 (N Terminus) Antibody - Background**

This gene encodes a bi-functional protein. In the cytoplasm, the encoded protein binds the cytoplasmic tail of human surface antigen CD2 via its C-terminal GYF domain, and regulate

CD2-triggered T lymphocyte activation. In the nucleus, this protein is a component of the U5 small nuclear ribonucleoprotein complex and is involved in RNA splicing. A pseudogene has been identified on chromosome 7. Alternative splicing results in multiple transcript variants but their biological validity has not been determined.

#### **Goat Anti-CD2BP2 (N Terminus) Antibody - References**

Defining the human deubiquitinating enzyme interaction landscape. Sowa ME, et al. Cell, 2009 Jul 23. PMID 19615732.

Investigating the functional role of CD2BP2 in T cells. Heinze M, et al. Int Immunol, 2007 Nov. PMID 17906334.

Structural basis for the bifunctionality of the U5 snRNP 52K protein (CD2BP2). Nielsen TK, et al. J Mol Biol, 2007 Jun 15. PMID 17467737.

Large-scale mapping of human protein-protein interactions by mass spectrometry. Ewing RM, et al. Mol Syst Biol, 2007. PMID 17353931.

Global, in vivo, and site-specific phosphorylation dynamics in signaling networks. Olsen JV, et al. Cell, 2006 Nov 3. PMID 17081983.