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anti-CTLA4 antibody (AA 50-78)





Overview	
Quantity:	200 μL
Target:	CTLA4
Binding Specificity:	AA 50-78
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CTLA4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))
Product Details	
Immunogen:	This IDDM12 antibody is generated from rabbits immunized with a KLH conjugated synthetic
	peptide between 50-78 amino acids of human IDDM12.
Clone:	RB23352
Isotype:	IgG
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.
Target Details	
Target:	CTLA4
Alternative Name:	IDDM12 (CTLA4 Products)
Background:	CTLA4 is a member of the immunoglobulin superfamily and encodes a protein which transmits

an inhibitory signal to T cells. The protein contains a V domain, a transmembrane domain, and a cytoplasmic tail. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. The membrane-bound isoform functions as a homodimer interconnected by a disulfide bond, while the soluble isoform functions as a monomer. Mutations in this gene have been associated with insulin-dependent diabetes mellitus, Graves disease, Hashimoto thyroiditis, celiac disease, systemic lupus erythematosus, thyroid-associated orbitopathy, and other autoimmune diseases.

Molecular Weight: 24656

Gene ID: 1493

NCBI Accession: NP_001032720, NP_005205

UniProt: P16410

Pathways: Cancer Immune Checkpoints

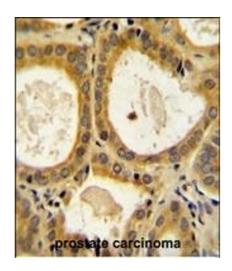
Application Details

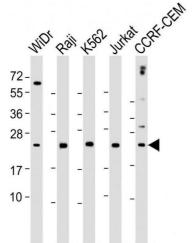
Application Notes: WB: 1:2000. WB: 1:2000. IHC-P: 1:50~100

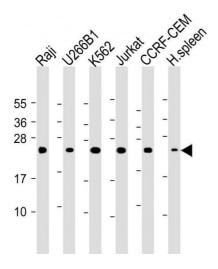
Restrictions: For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	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.
Expiry Date:	6 months







Immunohistochemistry (Paraffin-embedded Sections)

Image 1. CTLA4 Antibody (N-term) (ABIN654422 and ABIN2844157) immunohistochemistry analysis in formalin fixed and paraffin embedded human prostate carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the CTLA4 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

Western Blotting

Image 2. All lanes: Anti- CTLA4 Antibody (N-term) at 1:2000 dilution Lane 1: WiDr whole cell lysate Lane 2: Raji whole cell lysate Lane 3: K562 whole cell lysate Lane 4: Jurkat whole cell lysate Lane 5: CCRF-CEM whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size: 25 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.

Western Blotting

Image 3. All lanes: Anti- CTLA4 Antibody (N-term) at 1:2000 dilution Lane 1: Raji whole cell lysate Lane 2: U266B1 whole cell lysate Lane 3: K562 whole cell lysate Lane 4: Jurkat whole cell lysate Lane 5: CCRF-CEM whole cell lysate Lane 6: Human spleen lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size: 25 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.