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Datasheet for ABIN392877
anti-DUSP14 antibody (N-Term)

3 Images

Overview

Quantity:	400 μL
Target:	DUSP14
Binding Specificity:	AA 1-30, N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DUSP14 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This DUSP14 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human DUSP14.
Clone:	RB5911
Isotype:	Ig Fraction
Predicted Reactivity:	B
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

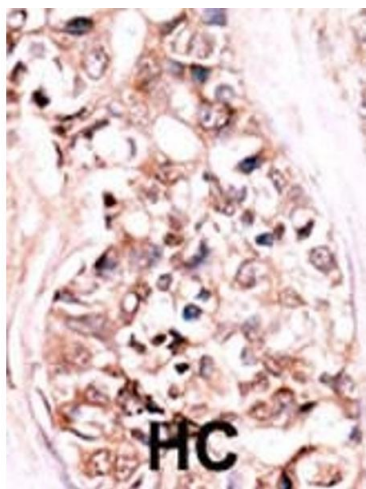|	
Target:	DUSP14

Target Details

Alternative Name:	DUSP14 (DUSP14 Products)
Background:	DUSP14 is involved in the inactivation of MAP kinases. This protein dephosphorylates ERK, JNK and p38 MAP-kinases. In addition to antigen recognition by the T-cell receptor, T-cell activation requires a second signal from a costimulatory receptor, such as CD28, which interacts with B7-1 and B7-2 ligands on antigen-presenting cells. CD28 costimulation induces transcription of interleukin-2 and stabilizes newly synthesized IL2 through the activation of mitogen-activated protein kinases (MAPKs), such as ERK and JNK, and the subsequent creation of AP1 transcription factor. DUSP14 is a negative regulator of CD28 signaling.
Molecular Weight:	22255
Gene ID:	11072
NCBI Accession:	NP_008957
UniProt:	O95147

Application Details

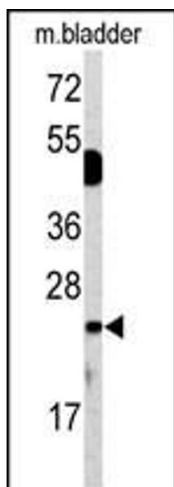|	
Application Notes:	WB: 1:1000. WB: 1:1000. IHC-P: 1:50~100
Restrictions:	For Research Use only

Handling

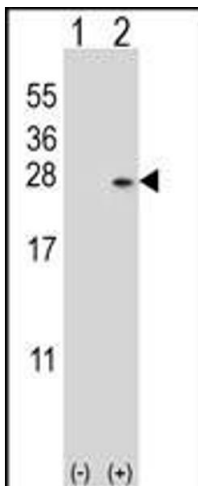|	
Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment: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

Images

Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated. BC = breast carcinoma, HC = hepatocarcinoma.

Western Blotting

Image 2. Western blot analysis of DUSP14 antibody (N-term) (ABIN392877 and ABIN2842285) in mouse bladder tissue lysates (35 μg/lane). DUSP14 (arrow) was detected using the purified Pab.

Western Blotting

Image 3. Western blot analysis of DUSP14 (arrow) using rabbit polyclonal DUSP14 Antibody (M1) (ABIN392877 and ABIN2842285). 293 cell lysates (2 μg/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the DUSP14 gene.