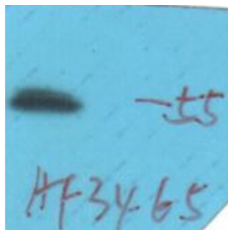

Phospho-PDCD4 (Ser457) Ab

Cat.#: AF3465
Size: 100ul,200ul

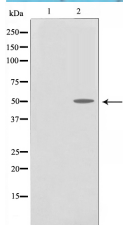
Concn.: 1mg/ml
Source: Rabbit

Mol.Wt.: 51kDa
Clonality: Polyclonal

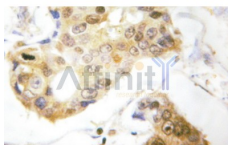
Application:	WB 1:500-1:2000 IHC 1:50-1:200, IF/ICC 1:100-1:500
Reactivity:	Human,Mouse,Rat
Purification:	The Ab is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.
Specificity:	Phospho-PDCD4 (Ser457) Ab detects endogenous levels of PDCD4 only when phosphorylated at Serine 457.
Immunogen:	A synthesized peptide derived from human PDCD4 around the phosphorylation site of Serine 457.
Uniprot:	Q53EL6
Description:	This gene encodes a protein localized to the nucleus in proliferating cells. Expression of this gene is modulated by cytokines in natural killer and T cells. The gene product is thought to play a role in apoptosis but the specific role has not yet been determined. Two transcripts encoding different isoforms have been identified.
Subcellular Location:	Nucleus. Cytoplasm. Shuttles between the nucleus and cytoplasm. Predominantly nuclear under normal growth conditions, and when phosphorylated at Ser-457. Exported from the nucleus in the absence of serum.
Tissue Specificity:	Up-regulated in proliferative cells. Highly expressed in epithelial cells of the mammary gland. Reduced expression in lung cancer and colon carcinoma.
Similarity:	Binds EIF4A1 via both MI domains.Belongs to the PDCD4 family.
Storage Condition and Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt.



Western blot analysis of PDCD4 phosphorylation expression in serum treated HepG2 whole cell lysates, The lane on the right is treated with the antigen-specific peptide.



Western blot analysis of PDCD4 phosphorylation expression in serum treated 293 whole cell lysates, The lane on the left is treated with the antigen-specific peptide.



Phospho-PDCD4 (Ser457) Ab for IHC in human colon tissue



AF3465 staining HepG2 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. The primary Ab was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary Ab.

IMPORTANT: For western blot, incubate membrane with diluted primary Ab in 5% w/v milk, 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.

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