

## Basic Information

Product Name	Anti-FBXL4 Antibody	
Gene Name	FBXL4	
Source	Rabbit	
Clonality	Polyclonal	
Isotype	IgG	
Species Reactivity	human, mouse, rat	
Tested Application	WB, IHC	
Contents	500 ug/ml antibody with PBS, 0.02% NaN <sub>3</sub> , 1 mg/ml BSA and 50% glycerol.	
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human FbxL4, different from the related mouse and rat sequences by one amino acid.	
Concentration	500 ug/ml	
Purification	Immunogen affinity purified.	
Observed MW	70 kDa	
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC): 1:50-400 (Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.	

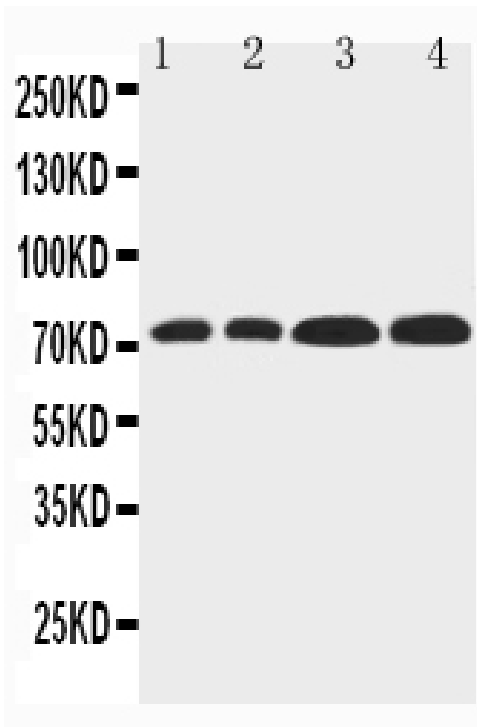
## Storage

12 months from date of receipt, -20°C as supplied.

## Background Information

FBXL4, also known as FBL4 or FBL5 encodes a member of the F-box protein family, which is characterized by an approximately 40 amino acid motif, the F-box. This gene is mapped to 6q16.1. F-box proteins constitute one subunit of modular E3 ubiquitin ligase complexes, called SCF complexes, which function in phosphorylation-dependent ubiquitination. The F-box domain mediates protein-protein interactions and binds directly to S-phase kinase-associated protein 1. In addition to an F-box domain, the encoded protein contains at least 9 tandem leucine-rich repeats. The ubiquitin ligase complex containing the encoded protein may function in cell-cycle control by regulating levels of lysine-specific demethylase 4A.

## Selected Validation Data



Western blot analysis of FBXL4 using anti-FBXL4 antibody (BA3358). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

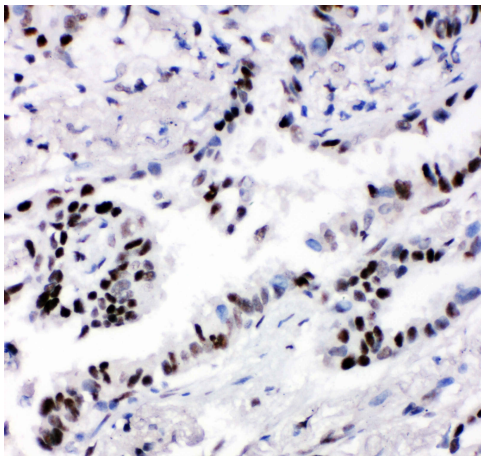
Lane 1: Rat Liver tissue lysates,

Lane 2: Rat Lung tissue lysates,

Lane 3: HELA whole cell lysates,

Lane 4: PANC whole cell lysates.

After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-FBXL4 antigen affinity purified polyclonal antibody (BA3358) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for FBXL4 at approximately 70 kDa. The expected band size for FBXL4 is at 70 kDa.



IHC analysis of FBXL4 using anti-FBXL4 antibody (BA3358).

FBXL4 was detected in a paraffin-embedded section of human lung cancer tissue. The tissue section was incubated with rabbit anti-FBXL4 Antibody (BA3358) at a dilution of 1:200 and developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB (Catalog # AR1027) as the chromogen.