

# FBXW4 Polyclonal antibody

Catalog Number: 10657-1-AP

## Basic Information

**Catalog Number:**

10657-1-AP

**Size:**

260 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG1047

**GenBank Accession Number:**

BC007380

**GeneID (NCBI):**

6468

**UNIPROT ID:**

P57775

**Full Name:**

F-box and WD repeat domain containing 4

**Calculated MW:**

46 kDa

**Observed MW:**

50 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:200-1:1000

IHC 1:50-1:500

## Applications

**Tested Applications:**

IHC, WB, ELISA

**Species Specificity:**

human, mouse

**Positive Controls:**

**WB** : mouse lung tissue, mouse liver tissue

**IHC** : human pancreas tissue,

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Background Information

F-box proteins have been shown to be critical for the ubiquitin-mediated degradation of cellular regulatory proteins, and they are a family of eukaryotic proteins characterized by an approximately 40 amino acid motif. SCF complex, a class of ubiquitin ligases, consists of invariable components, Skp1 and Cullin, and variable components of F-box proteins, which have a primary role in determining substrate specificity. FBXW4, also known as SHFM3, encodes F-box and WD-40 domain-containing protein 4. Defects in SHFM3 are a cause of split-hand/foot malformation type 3 (SHFM3), an autosomal dominant disorder characterized by hypoplasia/aplasia of the central digits with fusion of the remaining digits.

## Storage

**Storage:**

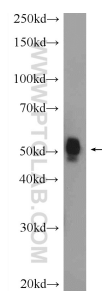
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

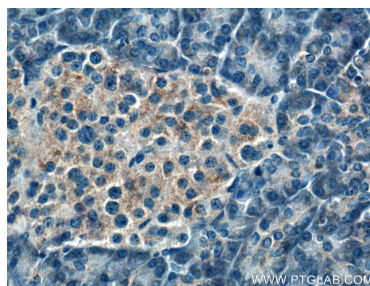
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

## Selected Validation Data



mouse lung tissue were subjected to SDS PAGE followed by western blot with 10657-1-AP (FBXW4 Antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human pancreas tissue slide using 10657-1-AP (FBXW4 Antibody) at dilution of 1:200 (under 40x Lens).