PAC358Hu01

Polyclonal Antibody to Calpain 2, Large Subunit (CAPN2)

Organism Species: Homo sapiens (Human)

Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY
NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

12th Edition (Revised in Aug, 2016)

[PROPERTIES]

Source: Polyclonal antibody preparation
Host: Rabbit
Purification: Antigen-specific Affinity Chromatography.
Traits: Liquid
Concentration: 200μg/mL
UOM: 100μg
Applications: WB; ICC; IHC-P; IHC-F; ELISA; IP; IF; FCM.

[IMMUNOGEN]

Immunogen: Recombinant CAPN2 (Leu45~Asp514) expressed in *E.coli*.
Accession No.: RPC358Hu01

[APPLICATIONS]

Western blotting: 0.5-2ug/ml
Immunocytochemistry in formalin fixed cells: 5-20ug/ml
Immunohistochemistry in formalin fixed frozen section: 5-20ug/ml
Immunohistochemistry in paraffin section: 5-20ug/ml
Enzyme-linked Immunosorbent Assay: 0.05-2ug/ml
Optimal working dilutions must be determined by end user.

[FORMULATION]

Form & Buffer: Supplied as solution form in 0.01M PBS, pH7.4, containing 0.05% Proclin-300, 50% glycerol.

[QUALITY CONTROL]

Content: The quality control contains recombinant CAPN2 disposed in loading buffer.
Usage: 10uL per well when 3,3'-Diaminobenzidine(DAB) as the substrate.
5uL per well when used in enhanced chemilumescent (ECL).
Note: The quality control is specifically manufactured as the positive control. Not used for other purposes.

Loading Buffer: 100mM Tris(pH6.8), 1% SDS, 150mM NaCl, 50% glycerol, 0.02% BPB, 50mM DTT and 0.02% NaN_3.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

Store at 4°C for frequent use.

Aliquot and store at -20°C for 12 months.

Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

[IDENTIFICATION]

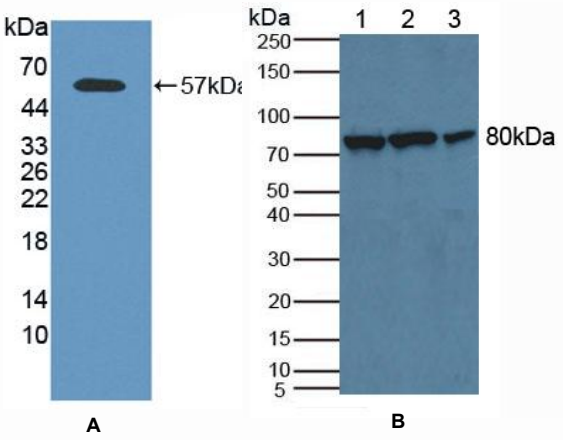

Figure 1. Western Blot

A. Sample: Recombinant CAPN2, Human

B. Lane1: Human Hela Cells

Lane2: Human Lung Tissue

Lane3: Human 293T Cells

Primary Ab: 3μg/mL Rabbit Anti-Human CAPN2 Ab

Second Ab: 1:2000 Dilution of HRP-Linked Guinea pig Anti-Rabbit Ab (Catalog: SAA544Rb59)

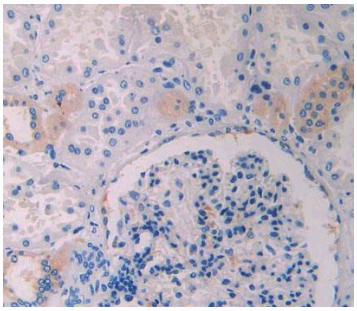

Figure 2. DAB staining on IHC-P

Samples:

Human Kidney Tissue

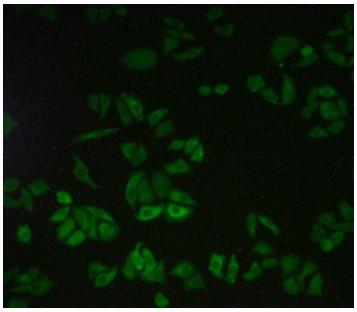

Figure 3. FITC staining on IHC-P

Samples:

Human Hela Cells