# CAPN9 Polyclonal Antibody

**Catalog No.** E-AB-64825

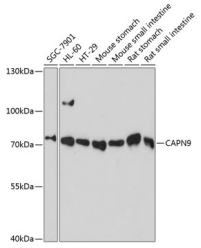
***Note:*** Centrifuge before opening to ensure complete recovery of vial contents.

## Description

| | |
|---|---|
| **Reactivity** | Human,Mouse,Rat |
| **Immunogen** | Recombinant fusion protein of human CAPN9 (NP_006606.1). |
| **Host** | Rabbit |
| **Isotype** | IgG |
| **Purification** | Affinity purification |
| **Conjugation** | Unconjugated |
| **Buffer** | PBS with 0.02% sodium azide, 50% glycerol, pH7.3. |

| Applications | Recommended Dilution |
|---|---|
| **WB** | 1:500-1:2000 |

## Data




Western blot analysis of extracts of various cell lines using CAPN9 Polyclonal Antibody at dilution of 1:3000.

**Observed Mw:79kDa**

**Calculated Mw:76kDa/79kDa**

## Preparation & Storage

**Storage** Store at -20°C. Avoid freeze / thaw cycles.

## Background

Calpains are ubiquitous, well-conserved family of calcium-dependent, cysteine proteases. The calpain proteins are heterodimers consisting of an invariant small subunit and variable large subunits. The large subunit possesses a cysteine protease domain, and both subunits possess calcium-binding domains. Calpains have been implicated in neurodegenerative processes, as their activation can be triggered by calcium influx and oxidative stress. The protein encoded by this gene is expressed predominantly in stomach and small intestine and may have specialized functions in the digestive tract. This gene is thought to be associated with gastric cancer. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene.