

Catalog No. LF-PA0044

POLYCLONAL ANTIBODY



Anti-Caspase-2

Background : Caspase-2 is an enzyme involved in the programmed cell death process and one of the best-conserved caspases across species. Caspase-2 is unique among caspases in that it has features of both initiator and effector caspases. Two different mRNA species, derived from alternative splicing, encode two proteins, caspase-2L(435 amino acids) and caspase-2S(312 amino acids), which have antagonistic effects on cell death although it is not clear that the shorter form is expressed as a protein. Caspase-2 appears to be necessary for the onset of apoptosis triggered by several insults, including DNA damage, administration of TNF, and different pathogens and viruses.

Immunogen : Synthetic peptide

Host : Rabbit

Type : Purified

Isotype : IgG

Size : 100 μ l

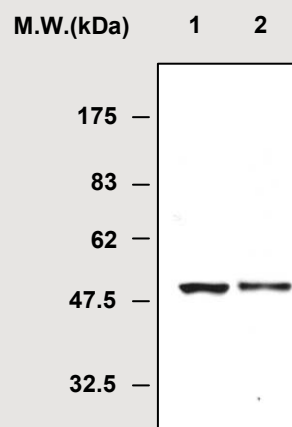
Compositon : PBS containing 50% glycerol

Positive control : Jurkat T Cell Lysate

Storage : Store for 1 year at -20°C from date of shipment

Species cross reactivity

| Human | Mouse | Rat |
|-------|-------|-----|
| + | - | - |



Immunoblot Analysis of cell lysates
Lane 1 : Jurkat T cell lysate
Lane 2 : HuT78 cell lysate

Applications :

Western blotting (1:2,000)

Immunoprecipitation was not tested

Background Reference :

1) Zhivotovsky B, et al, (2005) Biochem Biophys Res Commun. vol.331(3): pp.859-67.

2) Troy CM, et al, (2003) Cell Death Differ. vol.10(1): pp.101-7.