Caspase 14 Polyclonal antibody, PBS Only

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Catalog Number:28136-1-PBS

Basic Information

Catalog Number:
28136-1-PBS

Size:
100ug , Concentration: 1 mg/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG27242

GenBank Accession Number:
BC069541

GeneID (NCBI):
23581

UNIPROT ID:
P31944

Full Name:
caspase 14, apoptosis-related cysteine peptidase

Calculated MW:
242 aa, 28 kDa

Observed MW:
35 kDa

Purification Method:
Antigen affinity purification

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human, mouse, rat

Background Information

Caspase14 belongs to the caspase family of cysteinyl aspartate-specific proteinases that frequently play a central role in apoptosis. Caspase14 exist as inactive proenzymes that undergo proteolytic processing to produce large and small subunits (p20 and p10) at Ile152/Lys153 residues, which is different to other caspases (Asp residue). Caspase14 plays a role in protein maturation of filaggrin, and possibly in DNA repair. Overexpression of Caspase14 has been detected in several of epithelial malignancies, indicating that Caspase14 could play a role in carcinogenesis and disease progression of cancers. Caspase14 can binds the apoptosis-inducing factor (AIF) indicating that caspase14 may be an anti-apoptotic protein. In the LADC specimens, two bands can be detected with MW of 35 kDa and 37 kDa which represent Caspase14 and the phosphorylated Caspase14(pCasp-14) respectively. (PMID:21567094, 12200134, 10203698, 17515931, 16061209). This antibody can recognise all the forms of Caspase14.
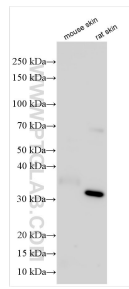
Storage

Storage:
Store at -80℃.
Storage Buffer:
PBS Only

Selected Validation Data

Various lysates were subjected to SDS PAGE followed by western blot with 28136-1-AP (Caspase 14 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 28136-1-PBS in a different storage buffer formulation.