

For Research Use Only

# FANCE Polyclonal antibody

Catalog Number:32520-1-AP



## Basic Information

Catalog Number:

32520-1-AP

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG38546

GenBank Accession Number:

NM\_021922.2

GeneID (NCBI):

2178

UNIPROT ID:

Q9HB96

Full Name:

Fanconi anemia, complementation group E

Calculated MW:

59 kDa, 536aa

Observed MW:

59 kDa

Purification Method:

Antigen affinity Purification

Recommended Dilutions:

WB: 1:500-1:3000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : HepG2 cells, THP-1 cells

## Background Information

Fanconi anemia group E protein (FANCE) is primarily localized in the nucleoplasm, with additional distribution in mitotic chromosomes and centrosomes. As a key component of the Fanconi anemia (FA) core complex, it plays an essential role in DNA interstrand cross-link repair, serving as a critical bridge between the FA complex and FANCD2 protein (PMID: 12239156; 12093742; 17308347). Cells with FANCE defects exhibit hypersensitivity to DNA cross-linking agents, chromosomal instability, and impaired DNA repair capacity (PMID: 21948210; 28239445; 37563658).

## Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

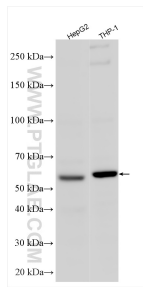
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 32520-1-AP (FANCE antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.