

## GAPDH

CONTACT INFORMATION:	Monoclonal Antibodies Unit. Centro Nacional de Investigaciones Oncológicas
STATUS:	Validated
TYPE:	mouse monoclonal
CLONE NAME:	FF26A
PROTEIN:	Glyceraldehyde-3-phosphate dehydrogenase
PROTEIN WEB:	<a href="https://www.uniprot.org/uniprot/P04406">https://www.uniprot.org/uniprot/P04406</a>
ANTIGEN USED:	human CD4+ lymphocytes
FUSION PARTNER:	NS1/Ag4-1 (NS1) cells
ISOTYPE:	IgG1
SPECIES REACTIVITY:	human
PREPARATION AND STORAGE:	Aliquot and store at 4C. Do not freeze
COMMERCIALIZED BY:	Biolegend and eBioscience

### DESCRIPTION

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Has both glyceraldehyde-3-phosphate dehydrogenase and nitrosylase activities, thereby playing a role in glycolysis and nuclear functions, respectively. Participates in nuclear events including transcription, RNA transport, DNA replication and apoptosis. Nuclear functions are probably due to the nitrosylase activity that mediates cysteine S-nitrosylation of nuclear target proteins such as SIRT1, HDAC2 and PRKDC. Modulates the organization and assembly of the cytoskeleton. Facilitates the CHP1-dependent microtubule and membrane associations through its ability to stimulate the binding of CHP1 to microtubules.

### REFERENCES

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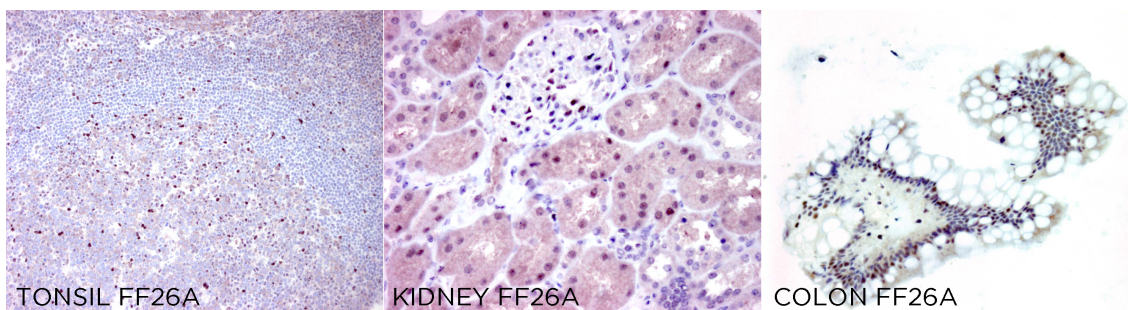
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## APPLICATIONS

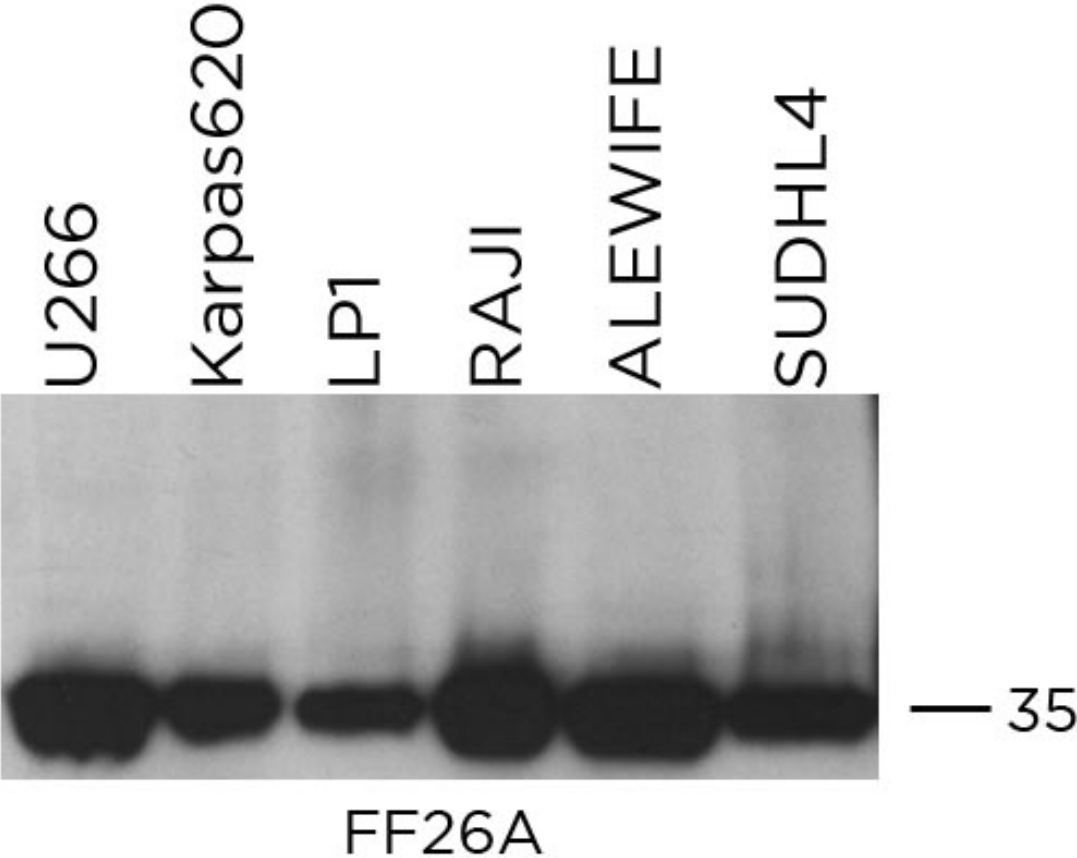
IHC Techniques	Clone	Dilution	Antibody concentration	Antigen retrieval method	Visualization kit	Positive control	Negative control	Protein localization	Positivity in other species
Frozen tissue and cytopins									
Paraffin tissue									
Recommended	FF26A	1:2	supernatant			Tonsil		nuclear	
Immunofluorescence									



**FF26A mAb is able to detect GAPDH protein in human paraffin tissues**

WB Techniques	Clone	Dilution	Antibody concentration	Positive control	Negative control	Expected MW	Observed Mw	Positivity in other species
Western Blotting								

Recommended	FF26A	Neat	supernatant			36kDa	36kDa	
Immunoprecipitation								



**FF26A mAb is able to detect human and mouse GAPDH protein by WB.**

LANES

Lane 1 U266 cell line (100ug) (+)

Lane 2 Karpas620 cell line (100ug) (+)

Lane 3 LP1 cell line (100ug) (+)

Lane 4 RAJI cell line (100ug) (+)

Lane 5 ALEWIFE cell line (100ug) (+)

Lane 6 SUDHL4 cell line (100ug) (+)