

IFFO Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP56035

Specification

IFFO Polyclonal Antibody - Product Information

Application	WB
Primary Accession	Q0D2I5
Reactivity	Rat, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	61979

IFFO Polyclonal Antibody - Additional Information

Gene ID 25900

Other Names

Non-homologous end joining factor IFFO1, NHEJ factor IFFO1, Intermediate filament family orphan 1, Tumor antigen HOM-TES-103, IFFO1 (http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=24970)
target="_blank">HGNC:24970), IFFO

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glycerol

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

IFFO Polyclonal Antibody - Protein Information

Name IFFO1 ([HGNC:24970](#))

Synonyms IFFO

Function

Nuclear matrix protein involved in the immobilization of broken DNA ends and the suppression of chromosome translocation during DNA double-strand breaks (DSBs) (PubMed:[31548606](http://www.uniprot.org/citations/31548606)). Interacts with the nuclear lamina component LMNA, resulting in the formation of a nucleoskeleton that relocalizes to the DSB sites in a XRCC4-dependent manner and promotes the immobilization of the broken ends, thereby preventing chromosome translocation (PubMed:[31548606](http://www.uniprot.org/citations/31548606)). Acts as a scaffold that allows the DNA repair protein XRCC4 and LMNA to assemble into a complex at the DSB sites (PubMed:[31548606](http://www.uniprot.org/citations/31548606)).

Cellular Location

Nucleus. Nucleus, nucleoplasm. Nucleus inner membrane. Nucleus matrix. Note=Mainly soluble, the remaining is localized in the nuclear matrix (PubMed:31548606). Localized at double-strand break (DSB) sites near the lamina and nuclear matrix structures (PubMed:31548606).

Tissue Location

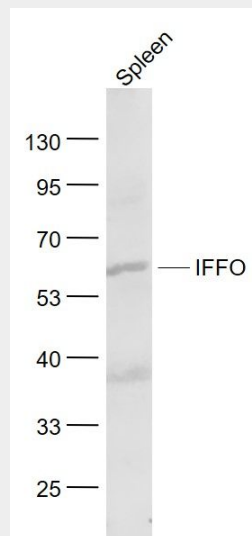
Ubiquitously expressed.

IFFO Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

IFFO Polyclonal Antibody - Images



Sample:

Spleen (Mouse) Lysate at 40 ug

Primary: Anti- IFFO (bs-15546R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 62 kD

Observed band size: 62 kD