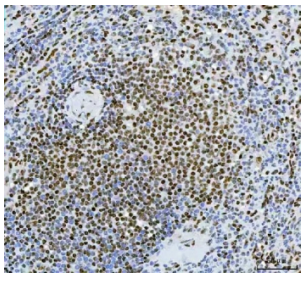
# Exonuclease 1 Antibody / EXO1 (RQ5576)

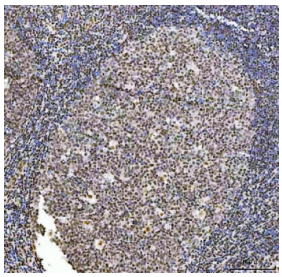
| Catalog No. | Formulation | Size |
|---|---|---|
| RQ5576 | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

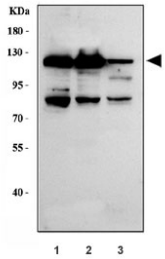
| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human |
| **Format** | Antigen affinity purified |
| **Host** | Rabbit |
| **Clonality** | Polyclonal (rabbit origin) |
| **Isotype** | Rabbit IgG |
| **Purity** | Affinity purified |
| **Buffer** | Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide |
| **UniProt** | Q9UQ84 |
| **Localization** | Nuclear |
| **Applications** | Western blot: 0.25-0.5ug/ml<br>Immunohistochemistry (FFPE): 2-5ug/ml<br>Flow cytometry: 1-3ug/million cells<br>Direct ELISA: 0.1-0.5ug/ml |
| **Limitations** | This Exonuclease 1 antibody is available for research use only. |



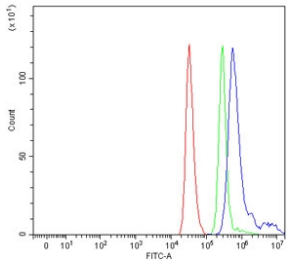
IHC staining of FFPE human spleen tissue with Exonuclease 1 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human tonsil tissue with Exonuclease 1 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.




Western blot testing of human 1) K562, 2) SH-SY5Y and 3) Jurkat cell lysate with Exonuclease 1 antibody. Expected molecular weight: 94-115 kDa.




Flow cytometry testing of human ThP-1 cells with Exonuclease 1 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Exonuclease 1 antibody.

## Description

Exonuclease 1 is an enzyme that in humans is encoded by the EXO1 gene. It is mapped to 1q43. This gene encodes a protein with 5' to 3' exonuclease activity as well as an RNase H activity. It is similar to the Saccharomyces cerevisiae protein Exo1 which interacts with Msh2 and which is involved in mismatch repair and recombination. Alternative splicing of this gene results in three transcript variants encoding two different isoforms.

## Application Notes

Optimal dilution of the Exonuclease 1 antibody should be determined by the researcher.

## Immunogen

A human recombinant protein (amino acids M1-K294) was used as the immunogen for the Exonuclease 1 antibody.

## Storage

After reconstitution, the Exonuclease 1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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