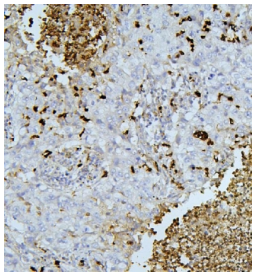
# PEF1 Antibody / Peflin (RQ5373)

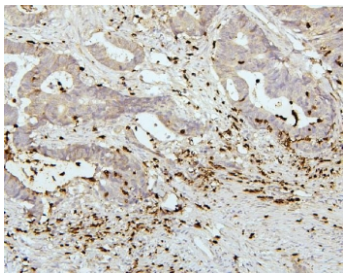
| Catalog No. | Formulation | Size |
|---|---|---|
| RQ5373 | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

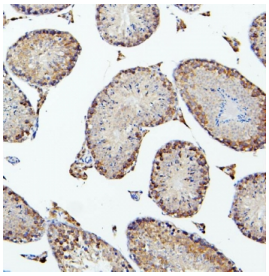
| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human, Mouse, Rat |
| **Format** | Antigen affinity purified |
| **Host** | Rabbit |
| **Clonality** | Polyclonal (rabbit origin) |
| **Isotype** | Rabbit IgG |
| **Purity** | Affinity purified |
| **Buffer** | Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide |
| **UniProt** | Q9UBV8 |
| **Localization** | Cytoplasm, Nucleus |
| **Applications** | Western blot: 0.5-1ug/ml<br>Immunohistochemistry (FFPE): 2-5ug/ml<br>Direct ELISA: 0.1-0.5ug/ml |
| **Limitations** | This PEF1 antibody is available for research use only. |



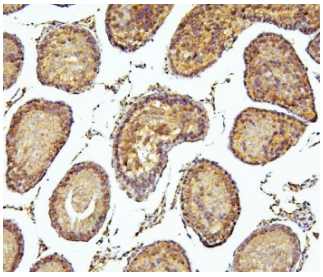
IHC staining of FFPE human lung cancer tissue with PEF1 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



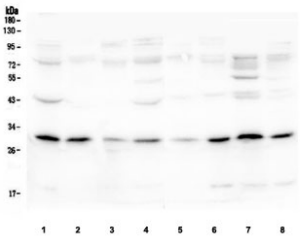
IHC staining of FFPE human colon cancer tissue with PEF1 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



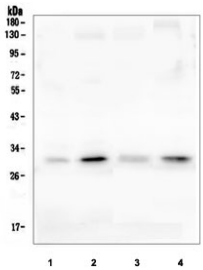
IHC staining of FFPE mouse testis tissue with PEF1 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE rat testis tissue with PEF1 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.




Western blot testing of human 1) 293T, 2) placenta, 3) PC-3, 4) U-87 MG, 5) U-937, 6) HepG2, 7) A431 and 8) U-2 OS cell lysate with PEF1 antibody. Predicted molecular weight ~30 kDa.




Western blot testing of 1) rat lung, 2) rat testis, 3) mouse lung and 4) mouse testis tissue lysate with PEF1 antibody. Predicted molecular weight ~30 kDa.

## Description

Peflin is a protein that in humans is encoded by the PEF1 gene. This gene encodes a calcium-binding protein belonging to the penta-EF-hand protein family. The encoded protein has been shown to form a heterodimer with the programmed cell death 6 gene product and may modulate its function in Ca(2+) signaling. Alternative splicing results in multiple transcript variants and a pseudogene has been identified on chromosome 1.

## Application Notes

Optimal dilution of the PEF1 antibody should be determined by the researcher.

## Immunogen

Amino acids R170-L284 from the human protein were used as the immunogen for the PEF1 antibody.

## Storage

Store the PEF1 antibody at -20oC.


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