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Research Use Only. Not for diagnostic or therapeutic use.

EB06677 - Goat Anti-PIWI / HIWI Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: PIWIL1, HIWI, PIWI, piwi-like 1 (Drosophila), piwi (Drosophila)-like 1,

homolog of Drosophila piwi, MIWI, piwi homolog; piwi-like 1

Official Symbol: PIWIL1

Accession Number(s): NP_004755.2; NP_001177900.1

Human GeneID(s): 9271

Non-Human GenelD(s): 57749 (mouse)

Important Comments: This antibody is expected to recognise both reported isoforms

(NP_004755.2; NP_001177900.1).

Immunogen

Peptide with sequence C-SNRKDKYDAIKKY, from the internal region of the protein sequence according to NP_004755.2; NP_001177900.1.

Please note the peptide is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:64000.

IHC: In paraffin embedded Human Testis shows textured cytoplasm staining in all germ cells. Recommended concentration: 4-6µg/ml.

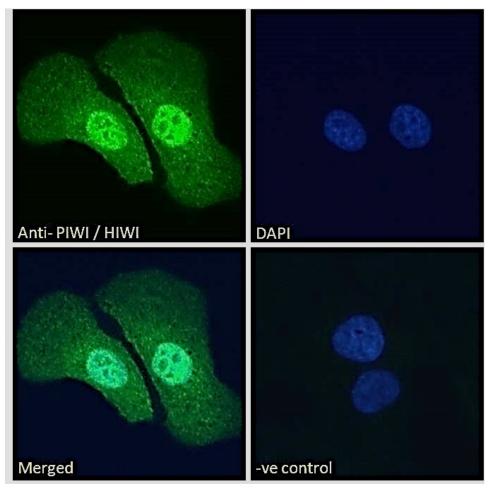
Immunofluorescence: Strong expression of the protein seen in the nuclei and cytoplasm of U2OS and HeLa cells. Recommended concentration: 10µg/ml.

Flow Cytometry: Flow cytometric analysis of HeLa cells. Recommended concentration: 10ug/ml.

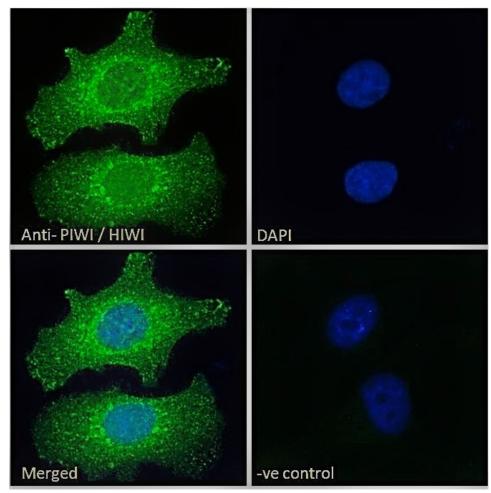
Species Reactivity

Tested: Human

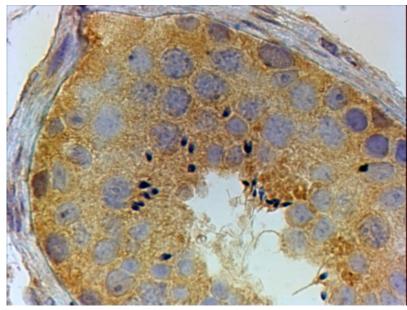
Expected from sequence similarity: Human, Mouse, Rat, Dog, Pig, Cow



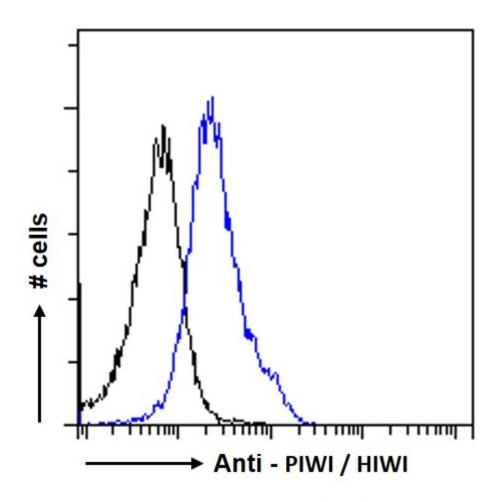
EB06677 Immunofluorescence analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing nuclear and cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB06677 Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing nuclear and cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB06677 (4µg/ml) staining of paraffin embedded Human Testis. Steamed antigen retrieval with citrate buffer pH 6, HRP-staining.



EB06677 Flow cytometric analysis of paraformaldehyde fixed HeLa cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control:

Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.