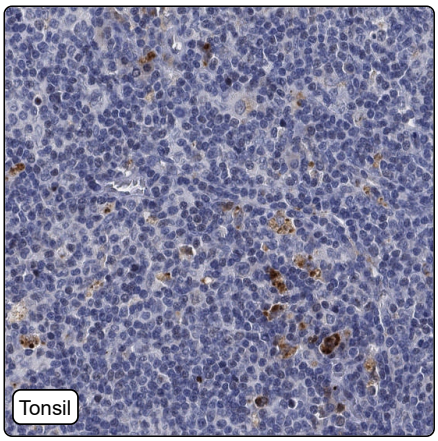
CPTC-MUC16-1 (CAB080359)

Uniprot ID: Q8WXI7
Protein name: MUC16_HUMAN
Full name: Mucin-16
Tissue specificity: Expressed in corneal and conjunctival epithelia (at protein level). Overexpressed in ovarian carcinomas and ovarian low malignant potential (LMP) tumors as compared to the expression in normal ovarian tissue and ovarian adenomas.
Function: Thought to provide a protective, lubricating barrier against particles and infectious agents at mucosal surfaces.
Subcellular location:
Cell membrane (Topo: Single-pass type I membrane protein)
Secreted > Extracellular space
NOTE: May be liberated into the extracellular space following the phosphorylation of the intracellular C-terminus which induces the proteolytic cleavage and liberation of the extracellular domain.
Protein existence: Experimental evidence at protein level

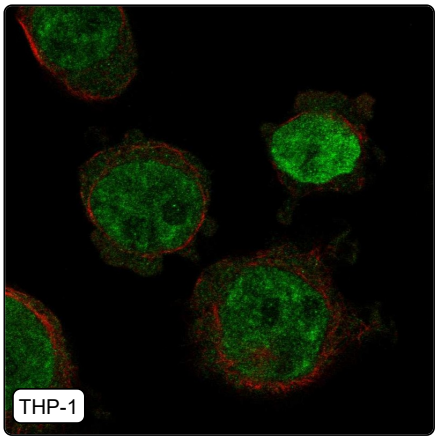
Comment:

Immunohistochemistry



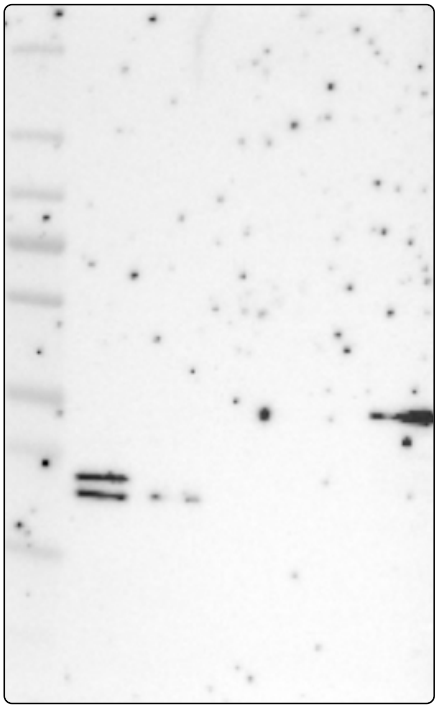
IHC protocol:	HIER pH6, Dilution 1:300
IHC test staining:	Cytoplasmic positivity in a subset of immune cells.
Literature conformance:	Not consistent with gene/protein characterization data
Literature significance:	
RNA similarity:	Very low consistency between antibody staining and RNA expression data
RNA tissue specificity:	Group enriched (adipose tissue,cervix,fallopian tube,salivary gland)
RNA tissue distribution:	Detected in some
IHC Sibling similarity:	Other antibody shows dissimilar IHC staining pattern

Immunofluorescence



IF Overlay:	antibody (green), anti-tubulin (red) and DAPI (blue)
IF main location:	Nucleoplasm - 12: **Uncertain** (auto)
IF additional location:	
IF approved for publication on HPA:	No
IF in THP-1:	Nucleoplasm
IF in U2OS:	Negative

Western blot



WB Size markers (kDa):	250, 130, 100, 70, 55, 35, 25, 15, 10
WB Lanes:	Marker (1), RT-4 (2), U-251MG (3), Plasma (4), Liver (5), Tonsil (6)
WB Target weight (kDa):	148, 1519
WB Validation:	Uncertain (Only bands not corresponding to the predicted size.)