

Product datasheet for **TA322022**

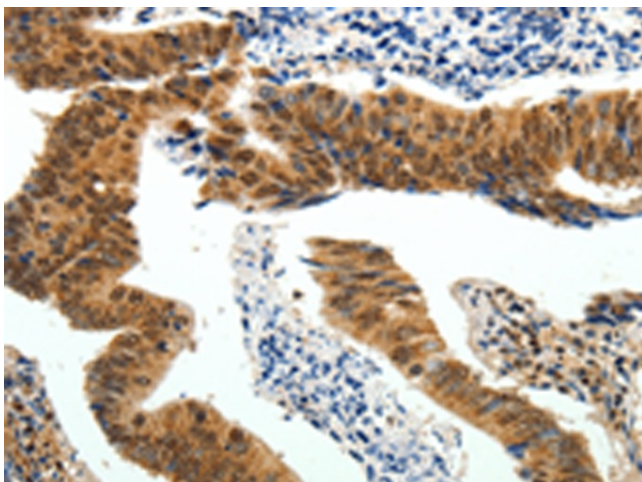
PIWIL4 Rabbit Polyclonal Antibody

Product data:

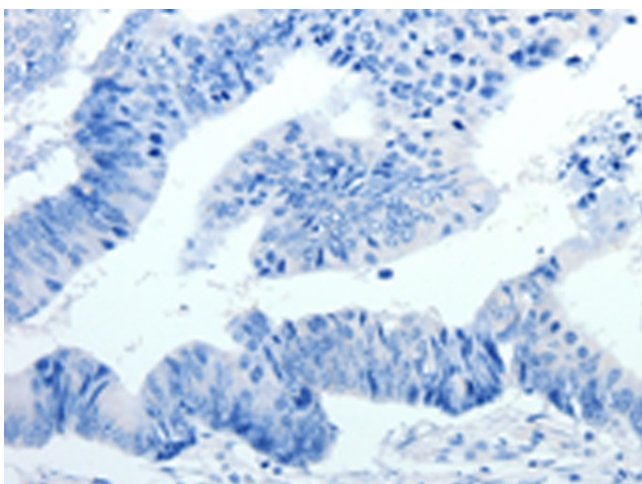
Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	IHC: 50-200 Positive control: Human colon cancer Predicted cell location: Cytoplasm, Nucleus
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein corresponding to a region derived from 546-838 amino acids of human piwi-like RNA-mediated gene silencing 4
Formulation:	PBS pH7.3, 0.05% NaN ₃ , 50% glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	piwi like RNA-mediated gene silencing 4
Database Link:	NP_689644 Entrez Gene 330890 MouseEntrez Gene 689972 RatEntrez Gene 143689 Human Q7Z3Z4
Background:	PIWIL4 belongs to the Argonaute family of proteins; which function in development and maintenance of germline stem cells. It plays a central role during spermatogenesis by repressing transposable elements and prevent their mobilization; which is essential for the germline integrity. May be involved in the chromatin-modifying pathway by inducing 'Lys-9' methylation of histone H3 at some loci.
Synonyms:	HIWI2; MIWI2
Protein Pathways:	Dorso-ventral axis formation



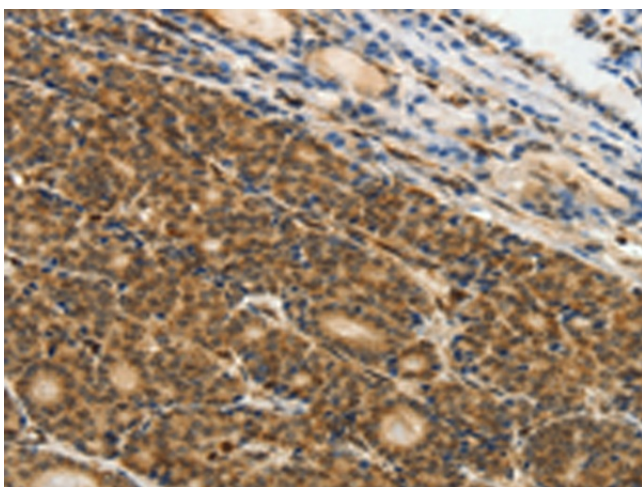
[View online »](#)

Product images:

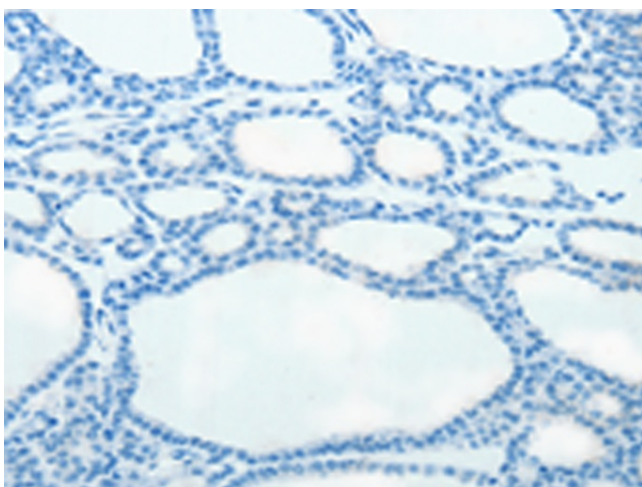
Immunohistochemistry of paraffin-embedded Human colon cancer tissue using TA322022 (PIWIL4 Antibody) at dilution 1/25 (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human colon cancer tissue using TA322022 (PIWIL4 Antibody) at dilution 1/25, treated with fusion protein. (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using TA322022 (PIWIL4 Antibody) at dilution 1/25 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using TA322022 (PIWIL4 Antibody) at dilution 1/25, treated with fusion protein. (Original magnification: ×200)