

## Product datasheet for **TA323774**

### Activin A Receptor Type IC (ACVR1C) Rabbit Polyclonal Antibody

#### Product data:

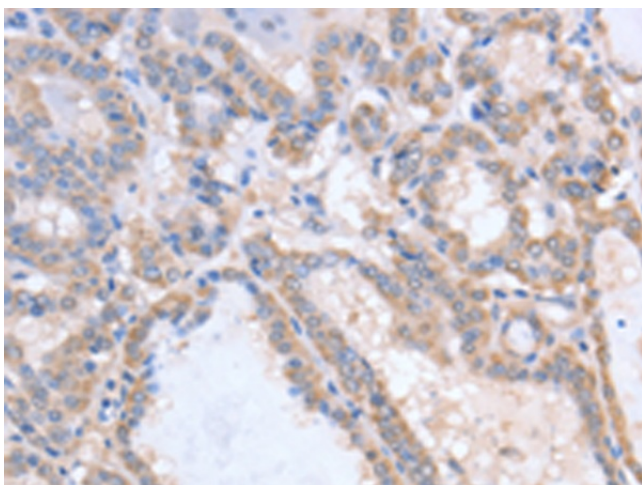
Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	IHC: 15-50 Positive control: Human thyroid cancer Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein corresponding to a region derived from 195-485 amino acids of human activin A receptor, type IC
Formulation:	PBS pH7.3, 0.05% NaN <sub>3</sub> , 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:	activin A receptor type 1C
Database Link:	<a href="#">NP_660302</a> <a href="#">Entrez Gene 245921</a> <a href="#">RatEntrez Gene 269275</a> <a href="#">MouseEntrez Gene 130399</a> <a href="#">Human Q8NER5</a>
Background:	ACVR1C is a type I receptor for the TGFB (see MIM 190180) family of signaling molecules. Upon ligand binding, type I receptors phosphorylate cytoplasmic SMAD transcription factors, which then translocate to the nucleus and interact directly with DNA or in complex with other transcription factors (Bondestam et al., 2001 [PubMed 12063393]).
Synonyms:	ACVRLK7; ALK7
Protein Families:	Druggable Genome, Protein Kinase, Transmembrane



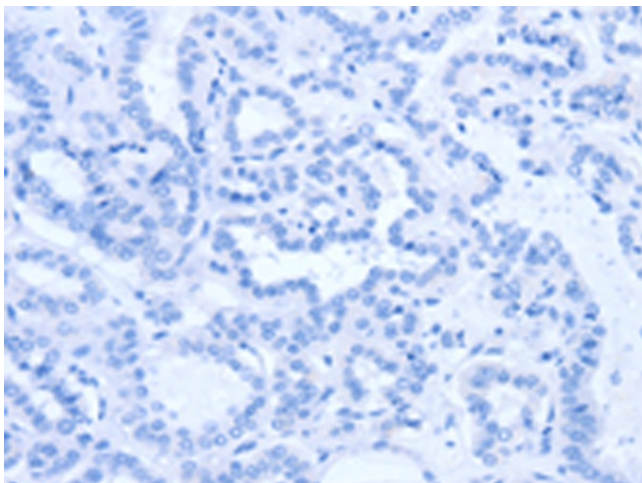
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**Protein Pathways:** Adherens junction, Chronic myeloid leukemia, Colorectal cancer, Endocytosis, MAPK signaling pathway, Pancreatic cancer, Pathways in cancer, TGF-beta signaling pathway

**Product images:**



Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using TA323774 (ACVR1C Antibody) at dilution 1/15 (Original magnification:  $\times 200$ )



Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using TA323774 (ACVR1C Antibody) at dilution 1/15, treated with fusion protein. (Original magnification:  $\times 200$ )