

## Product datasheet for **TA308698**

### **PAX8 Rabbit Polyclonal Antibody**

#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Applications:</b>	IF, IHC, IP, WB
<b>Recommended Dilution:</b>	ICC/IF:1:100-1:1000; IHC:1:100-1:1000; WB:1:500-1:3000
<b>Reactivity:</b>	Human
<b>Host:</b>	Rabbit
<b>Isotype:</b>	IgG
<b>Clonality:</b>	Polyclonal
<b>Immunogen:</b>	Recombinant protein fragment contain a sequence corresponding to a region within amino acids 1 and 204 of PAX8
<b>Formulation:</b>	1XPBS, 20% Glycerol (pH7). 0.025% ProClin 300 was added as a preservative.
<b>Concentration:</b>	lot specific
<b>Purification:</b>	Purified by antigen-affinity chromatography.
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Store at -20°C as received.
<b>Stability:</b>	Stable for 12 months from date of receipt.
<b>Predicted Protein Size:</b>	43 kDa
<b>Gene Name:</b>	paired box 8
<b>Database Link:</b>	<a href="#">NP_054698</a> <a href="#">Entrez Gene 7849 Human</a> <a href="#">Q06710</a>
<b>Background:</b>	This gene encodes a member of the paired box (PAX) family of transcription factors. Members of this gene family typically encode proteins that contain a paired box domain, an octapeptide, and a paired-type homeodomain. This nuclear protein is involved in thyroid follicular cell development and expression of thyroid-specific genes. Mutations in this gene have been associated with thyroid dysgenesis, thyroid follicular carcinomas and atypical follicular thyroid adenomas. Alternately spliced transcript variants encoding different isoforms have been described. [provided by RefSeq]
<b>Synonyms:</b>	OTTHUMP00000158659; OTTHUMP00000158660; paired box 8; paired domain gene 8

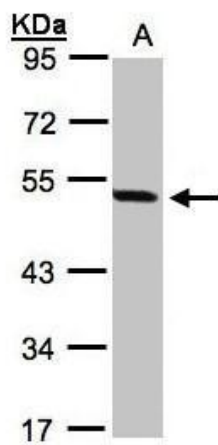


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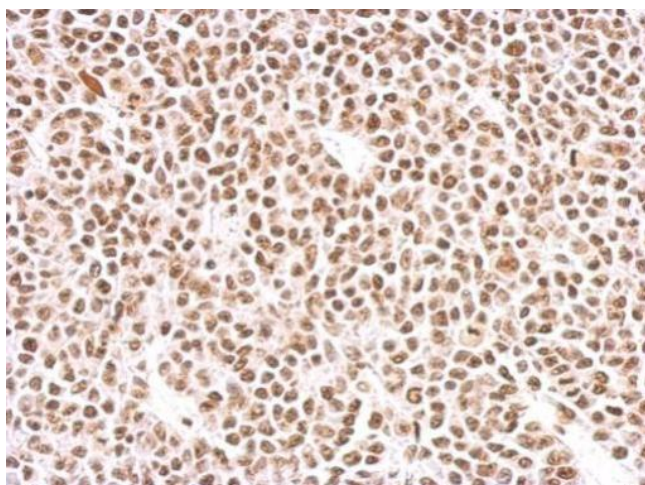
Protein Families: Druggable Genome, Transcription Factors

Protein Pathways: Pathways in cancer, Thyroid cancer

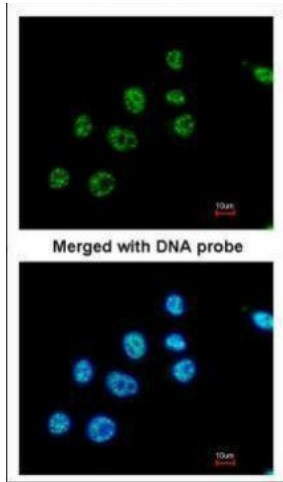
### Product images:



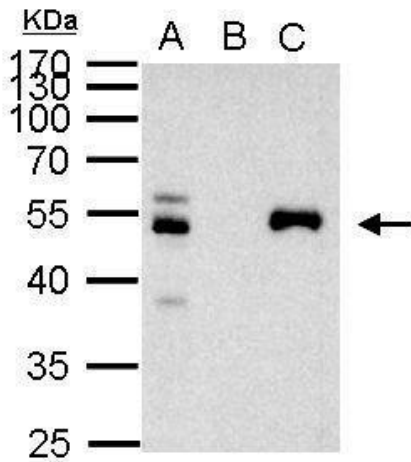
Sample (30 ug whole cell lysate). A:293T. 10% SDS PAGE. TA308698 diluted at 1:1000



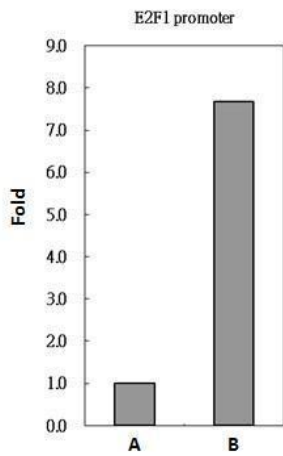
PAX8 antibody detects PAX8 protein at nucleus on BT483 xenograft by immunohistochemical analysis. Sample: Paraffin-embedded BT483 xenograft. PAX8 antibody (TA308698) dilution: 1:500.



Immunofluorescence analysis of paraformaldehyde-fixed A549, using PAX8 (TA308698) antibody at 1:200 dilution.



PAX8 antibody immunoprecipitates PAX8 protein in IP experiments. IP Sample: 1000 ug 293T whole cell lysate/extract A. 40 ug 293T whole cell lysate/extract B. Control with 2 ug of preimmune rabbit IgG C. Immunoprecipitation of PAX8 protein by 2 ug of PAX8



PAX8 antibody immunoprecipitates PAX8 protein-DNA in ChIP experiments. ChIP Sample: 293T whole cell lysate/extract A. 5 ug preimmune rabbit IgG B. 5 ug of PAX8 antibody (TA308698) The precipitated DNA was detected by PCR with primer set targeting to E2F1