

## Product datasheet for **TA591065S**

### Thyroxine Binding Globulin (SERPINA7) Rabbit Monoclonal Antibody [Clone ID: OTIR4A12]

#### Product data:

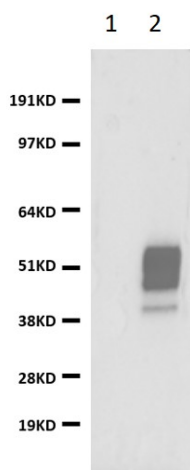
Product Type:	Primary Antibodies
Clone Name:	OTIR4A12
Applications:	WB
Recommended Dilution:	WB1:500
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Monoclonal
Immunogen:	Full length protein
Formulation:	PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	1mg/ml
Purification:	Purified from cell culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Shipped at -20°C or with ice packs, Upon delivery store at -20°C. Dilute in PBS(pH7.3) if necessary. Stable for 12 months from date of receipt. Avoid repeated freeze-thaws.
Stability:	Stable for 12 months from date of receipt
Predicted Protein Size:	46 kDa
Gene Name:	serpin family A member 7
Database Link:	<a href="#">Entrez Gene 6906 Human P05543</a>

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## Background:

There are three proteins including thyroxine-binding globulin (TBG), transthyretin and albumin responsible for carrying the thyroid hormones thyroxine (T4) and 3,5,3'-triiodothyronine (T3) in the bloodstream. This gene encodes the major thyroid hormone transport protein, TBG, in serum. It belongs to the serpin family in genomics, but the protein has no inhibitory function like many other members of the serpin family. Mutations in this gene result in TBG deficiency, which has been classified as partial deficiency, complete deficiency, and excess, based on the level of serum TBG. Alternatively spliced transcript variants encoding different isoforms have been found, but the full-length nature of these variants has not been determined.

## Product images:



HEK293T cells were transfected with the pCMV6-ENTRY control (lane 1, 5ug) or SerpinA7 protein (lane 2, 2ug). Samples were separated by SDS-PAGE and immunoblotted with anti-SerpinA7 ([TA591065], 1:500).