

## RayBiotech, Inc.

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### Certificate of Analysis and Data Sheet

## Rabbit Anti-Human IGFBP6 Antibody

<b>Catalog No:</b> 130-10065	<b>Isotype:</b> Rabbit IgG	<b>Species:</b> Human	<b>Accession No:</b> Q13489
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### Description

The insulin-like growth factor binding proteins (IGFBP) is a large family including six high affinity IGF binding proteins and four low affinity binding proteins. The cysteine-rich IGFBPs play a role in lipoprotein assembly and dietary cholesterol absorption. In addition, IGF-binding proteins prolong the half-life of the IGFs, inhibit or stimulate the growth promoting effects of the IGFs on cell culture, and alter the interaction of IGFs with their cell surface receptors.

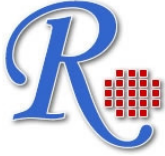
### Applications

#### Summary of antibody applications and working conditions

Options Functions	YES	NO	Not determined	Recommended work dilution
ELISA	*			1:320000
Western Blotting			*	
Enzyme Immunoassay(EIA)			*	
Immunohistology - paraffin			*	
Immunohistology - resin			*	
Immunoprecipitation			*	
Flow Cytometry			*	
Neutralization			*	

Note: Other applications are not tested yet. Optimal dilutions should be determined by each laboratory for each application

**The products are furnished for LABORATORY RESEARCH USE ONLY.  
Not for diagnostic or therapeutic use.**



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### ***Preparation***

The Immunogen was recombinant protein derived from human IGFBP6. This antibody was produced from a rabbit immunized with the immunogen. The IgG fraction was purified from rabbit serum followed by Protein A/G affinity chromatography.

### ***Specificity***

This antibody binds to Human IGFBP6. Cross reactivity with mouse and rat IGFBP6 was not tested.

### ***Reconstitution***

Product is supplied as a powder obtained from lyophilization of purified antibody in PBS without preservatives. Reconstitute the antibody with sterile 1x PBS to a final concentration of 1 mg/ml.

### ***Storage***

Store at 4°C if intended for use within one month, otherwise, store at -20°C to -80°C. The lyophilized antibody is stable for at least 18 months after the date of receipt when stored at -20°C to -80°C. After reconstitution, it can be aliquoted and stored frozen at -20°C to -80°C in a manual defrost freezer for at least 6 months without detectable loss of activity. Upon reconstitution, the antibody can also be stored for 1 month at 4°C. **Please avoid freeze-thaw cycles, as this will lower the activity of the antibody.**

### ***Related products***

1. Goat Anti-Insulin-like Growth Factor Binding Protein 6 (catalog #: ER-14-0735 )
2. Recombinant Human Insulin-like Growth Factor Binding Protein 6(catalog #: 230-00045)

### ***Reference***

Yu H, et al.. (1999) Insulin-like growth factors (IGF-I, free IGF-I and IGF-II) and insulin-like growth factor binding proteins (IGFBP-2, IGFBP-3, IGFBP-6, and ALS) in blood circulation. J Clin Lab Anal. 13(4):166-72.

Wegmann BR, et al.. (1993) Molecular cloning of IGFBP-5 from SCLC cell lines and expression of IGFBP-4, IGFBP-5 and IGFBP-6 in lung cancer cell lines and primary tumours. Eur J Cancer. 29A(11):1578-84.

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