



## RayBiotech, Inc.

3607 Parkway Lane suite 200  
Norcross, GA 30092  
Tel: 770-729-2992, 1-888-494-8555  
Fax: 770-206-2393  
Website: [www.raybiotech.com](http://www.raybiotech.com)  
Email: [info@raybiotech.com](mailto:info@raybiotech.com)

# Certificate of Analysis and Data Sheet

## Goat Anti-AUTS2

### With HRP-conjugated Secondary Antibody

**Catalog No.**  
126-10163

**Accession No.**  
NP\_056385.1; NP\_001120703.1

#### ***Target Protein***

**Principal Names:** autism-related protein 1, MGC13140, KIAA0442, autism susceptibility candidate 2, AUTS2

**Official Symbol:** AUTS2

**Accession Number(s):** NP\_056385.1; NP\_001120703.1

**Human GeneID(s):** 26053

**Non-Human GeneID(s):** 319974 (mouse)

**Important Comments:** This antibody is expected to recognize isoforms 1 and 2 (NP\_056385.1 and NP\_001120703.1 resp.).

#### ***Immunogen***

Peptide with sequence C-ERPPSHTLKDIEAR, from the C Terminus of the protein sequence according to NP\_056385.1; NP\_001120703.1.

#### ***Purification and Storage***

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

#### ***Applications Tested***

**Peptide ELISA:** antibody detection limit dilution 1:32000.

**Western blot:** Preliminary experiments gave an approx 60kDa band in Human Brain (Cerebral Cortex and Frontal Cortex) lysates after 0.3µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the band we observe given the calculated size of 139kDa according to NP\_056385.1 and of 136kDa according to NP\_001120703.1. The 60kDa band was successfully blocked by incubation with the immunizing peptide. We would appreciate any feedback from people in the field - have any results been reported with other antibodies/lysates? Have any further splice variants/modified forms been reported?

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



## RayBiotech, Inc.

3607 Parkway Lane suite 200  
Norcross, GA 30092  
Tel: 770-729-2992, 1-888-494-8555  
Fax: 770-206-2393  
Website: [www.raybiotech.com](http://www.raybiotech.com)  
Email: [info@raybiotech.com](mailto:info@raybiotech.com)

---

### ***Species Reactivity***

**Tested:**

**Expected from sequence similarity:** Human, Mouse, Dog

### ***Secondary Antibody Applications***

Immunoassay (ELISA, Western blotting): 1:5,000-1:10,000

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