

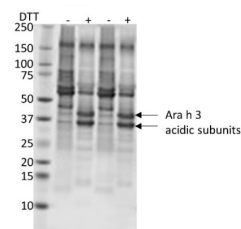
Product no **AS09 566****Anti-Peanut protein****Product information**

Anti-Peanut protein

<b>Immunogen</b>	<i>Arachis hypogaea</i> protein extract
<b>Host</b>	Chicken
<b>Clonality</b>	Polyclonal
<b>Purity</b>	Immunogen affinity purified IgY in PBS pH 7.2. Contains 0.075 % sodium azide.
<b>Format</b>	Liquid
<b>Quantity</b>	100 µg
<b>Storage</b>	Store at -20 °C; make aliquots to avoid working with a stock. Please remember to spin the tubes briefly prior to opening them to avoid any losses that might occur from material adhering to the cap or sides of the tube.

**Additional information** | Antibodies were purified on immobilized peanut proteins**Application information**

<b>Recommended dilution</b>	2- 5 µg/ml (ELISA), 0,1-1 µg/ml (WB)
<b>Confirmed reactivity</b>	Peanut proteins
<b>Predicted reactivity</b>	Peanut proteins
<b>Not reactive in</b>	No confirmed exceptions from predicted reactivity are currently known
<b>Selected references</b>	<a href="#">Mattison</a> et al. (2024). Proteomic characterization of peanut flour fermented by <i>Rhizopus oryzae</i> . Heliyon Volume 10, ISSUE 15.



Thirty (30) µg of total protein extracted freshly from defatted lightly roasted peanut flour with borate buffered saline (BBS) solution (100 mM H<sub>3</sub>BO<sub>4</sub>, 25 mM Na<sub>2</sub>B<sub>4</sub>O<sub>7</sub>, 75 mM NaCl, and pH 8.6) for 1 hr with constant stirring at 4 °C. Samples were denatured with NuPAGE™ LDS sample buffer containing 50 mM DTT at a 1:4 (v/v) ratio and incubation at 70 °C for 5 min. Samples were separated on Novex™ 10-20% Tricine Protein Gels and blotted 7 minutes to nitrocellulose using iBlot dry transfer system. The blot was blocked with 5% milk for 1h/RT with agitation. Blot was incubated in the primary antibody at a dilution of 1: 1,000 for 1h/RT with agitation in TBS-T with agitation. The antibody solution was decanted and the blot was rinsed briefly, then washed 3 times for 5 min in TBS-T at RT with agitation. The blot was incubated in Agrisera matching secondary antibody (anti-rabbit IgG horse radish peroxidase conjugated [AS10 1489](#)) diluted to 1:25,000 in TBS-T for 1h/RT with agitation. The blot was washed as above and developed for 5 min with [AgriseraECLBright](#). Images of the blots were collected using a CCD imager and Quantity One software (Bio-Rad). Exposure time was 20 seconds.