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Product no AS09 566

Anti-Peanut protein

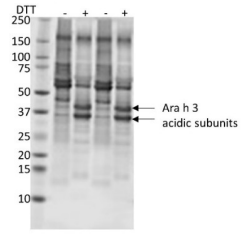
Product information

Anti-Peanut protein

Immunogen	*Arachis hypogaea* protein extract
Host	Chicken
Clonality	Polyclonal
Purity	Immunogen affinity purified IgY in PBS pH 7.2. Contains 0.075 % sodium azide.
Format	Liquid
Quantity	100 µg
Storage	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

Recommended dilution	2- 5 µg/ml (ELISA), 0,1-1 µg/ml (WB)
Confirmed reactivity	Peanut proteins
Predicted reactivity	Peanut proteins
Not reactive in	No confirmed exceptions from predicted reactivity are currently known
Selected references	Mattison et al. (2024). Proteomic characterization of peanut flour fermented by *Rhizopus oryzae*. 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 H3BO4, 25 mM Na2B4O7, 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.