

## Polyclonal Antibody to *Echinococcus granulosus* - Purified

<b>Catalog No.:</b>	AP05406PU-N
<b>Quantity:</b>	1 ml
<b>Concentration:</b>	2.3 mg/ml
<b>Background:</b>	<p><i>Echinococcus granulosus</i>, also called the Hydatid worm, is a cyclophyllid cestode that parasitizes the small intestine of canids as an adult, but which has important intermediate hosts such as livestock and humans, where it causes hydatid disease. In canids, <i>E. granulosus</i> causes a typical tapeworm infection. Adult worms mature in the intestine of the dog (definitive host) and the eggs are released in the foeces. By an accidental ingestion in humans, oncospheres hatch in the duodenum, penetrate the intestine and are carried via the bloodstream to various organs. Hydatid cysts form in organs like liver, lungs and brain.</p>
<b>Host / Isotype:</b>	Rabbit / IgG
<b>Immunogen:</b>	<p>Native Purified from ovine/bovine hydatidic fluid.</p>
<b>Format:</b>	<p><b>State:</b> Liquid Ig fraction <b>Purification:</b> Ammonium sulphate precipitation <b>Buffer System:</b> Phosphate buffered saline containing 0.09% Sodium Azide (NaN<sub>3</sub>)</p>
<b>Applications:</b>	<p>ELISA: In a simple ELISA with <i>Echinococcus granulosus</i> antigen (Biogenesis 4002-0051) coated at approximately 0.5 µg/well, the 50% OD was observed at an antibody dilution of 1/600. Under the same conditions, the end point was observed at 1/40K. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.</p>
<b>Specificity:</b>	This antibody reacts to <i>Echinococcus granulosus</i>
<b>Storage:</b>	<p>Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.</p>
<b>Caution:</b>	<p>(A full Health and Safety assessment is available upon request) This product contains Sodium Azide: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.</p>