



Anti-Phenobarbital (native protein) polyclonal antibody (DPBT-68285GP)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Goat Anti PhenobarbitalGoat Anti Phenobarbital
Immunogen	Synthetic peptide corresponding to part of the native molecule conjugated to Keyhole limpet Haemocyanin.Phenobarbital-KLH. Conjugated through a diazo linkage of m-aminophenyl barbituric acid.
Isotype	IgG
Source/Host	Goat
Species Reactivity	Chemical
Conjugate	Unconjugated
Applications	ELISA
Format	Serum - liquid
Size	1 ml
Preservative	0.09% Sodium Azide
Storage	Store at +4 °C or at -20 °C if preferred.Storage in frost-free freezers is not recommended.This product should be stored undiluted.Avoid repeated freezing and thawing as this may denature the antibody.Should this product contain a precipitate we recommend microcentrifugation before use.

BACKGROUND

Introduction

Phenobarbital (INN) or phenobarbitone (former BAN) is a barbiturate, first marketed as Luminal by Friedr. Bayer et comp. It is the most widely used anticonvulsant worldwide, and the oldest still commonly used. It also has sedative and hypnotic properties but, as with other barbiturates, has been superseded by the benzodiazepines for these indications. The World Health Organization recommends its use as first-line for partial and generalized tonic-clonic seizures (those formerly known as grand mal) in developing countries. It is a core medicine in the WHO Model List of Essential Medicines, which is a list of minimum medical needs for a basic health care system. In more affluent countries, it is no longer recommended as a first or second-line choice anticonvulsant for most seizure types, though it is still commonly used to treat neonatal seizures. Phenobarbital (and phenobarbital sodium) is manufactured and supplied in various forms: In Tablets of 15, 30, 70 and 100 mg (though not all are available in all countries: for example, in Australia only the 30 mg strength tablets are available); in an oral elixir (commonly 3 mg/mL in strength); and in a form for injection (as phenobarbital sodium - usually 200 mg/mL). The injectable form is used principally to control status epilepticus, while the oral forms are used for prophylactic and maintenance therapy.

Keywords

Luminal; Phenobarbitone; Phenobarbital