

**800 ONCOblots<sup>®</sup>**

**Background:** To test for accuracy, The ONCOblot<sup>®</sup> Test was performed on serum samples from over 800 different patients all with clinically diagnosed cancers. The type of cancer was blinded. Samples were obtained as follows: 1) under contract to Greater Baltimore Medical Center. 2) through the Early Cancer Detection Network of the National Cancer Institute 3) from the Goshen Cancer Center, Goshen, IN 4) from Mishiwaka Cancer Clinic, Mishiwaka, IN 5) from Saint Elizabeth Hospital, Lafayette, IN, and assorted participating clinics and physicians and local volunteers.

**Summary:** The ONCOblot<sup>®</sup> Test revealed the presence of ENOX2 in 99.3% of the samples from patients with confirmed cancers. Of those testing positive for ENOX2, the organ site of the cancer was determined correctly in 96% of the cases.

**Data Collected:**

Table 1. Molecular weight and isoelectric point ranges (99 percentile) from ONCOblot database of ENOX2 transcript variants for tissues of origin encountered in study. From Hanau et al., 2014 updated as of July 1, 2013. See references 6, 7 and 8 for additional information and examples of ONCOblots<sup>®</sup> representing cancers of different tissues of origin.

Cancer	n	Molecular weight	Isoelectric point, pH
Bladder	9	63-66 and 42-48 kDa	4.2-5.8 and 4.1-4.8
Blood Cell	80	38-48 kDa	3.6-4.5
Breast	355	64-69 kDa	4.2-4.9
Cervical	18	90-100 kDa	4.2-5.4
Colorectal*	88	80-96, 50-60 and 33-46 kDa	4.5-5.3, 4.2-5.1 and 3.8-5.2
Melanoma	27	37-41 kDa	4.6-5.3
Mesothelioma	10	59-62 and 38-41 kDa	3.8-4.1 and 4.4-4.6
Non-small Cell Lung	75	53-56 kDa	4.7-5.3
Ovarian	78	72-90 and 37-47 kDa	3.7-5.0 and 3.7-5.0
Papillary Thyroid	5	56-66 and 37-44 kDa	4.5-4.9 and 3.2-3.7
Prostate	79	71-88 kDa	5.1-6.5
Squamous Cell	10	54-68 kDa	5.0-5.4
Uterine	9	64-69 and 36-48 kDa	4.2-4.9 and 4.5-5.6

\*All three transcript variants or, frequently, only one or the other of the two higher molecular weight species, may be present.

\*\*\*\*\*

**ENOX2**

ENOX2 gene included in Atlas of Genetics and Cytogenetics in Oncology and Haematology.

<http://atlasgeneticsoncology.org/Genes/ENOX2ID40134chXq26.html>