

LIST OF ABBREVIATIONS

2D-PAGE	Two Dimensional Poly Acrylamide Gel Electrophoresis
4-MU	4-Methyl-Umbelliferone
α	Alpha
ALP	Alkaline Phosphatase
APS	Ammonium Per Sulphate
BPB	Bromophenol blue
BSA	Bovine Serum Albumin
$^{\circ}\text{C}$	Celsius
CAM	Cell Adhesion Molecule
CBB	Coomassie Brilliant Blue
CMP	Cytosine MonoPhosphate
CNBr	Cynogen Bromide
CR	Complete Responders
CSPD	Disodium 3-(4-methoxyspiro {1,2-dioxetane3,2'- (5,-chloro) tricyclo [3.3.1.1 ^{3,7}] decan}-4 yl) phenyl phosphate)
DDW/ H ₂ O	Double Distilled Water
dl	Deciliters
DMSO	Dimethylsulphoxide
DTT	DiThio Threitol
EC	Enzyme Commission
E-cad ¹²⁰	Native Epithelial-Cadherin, 120 kD
E-cad ⁹⁷	Truncated E-cadherin, 97 kD
E-cad ^{97.120}	Ratio of E-cad ⁹⁷ to E-cad ¹²⁰
ECL	Enhanced Chemiluminescence
ECM	Extra Cellular Matrix
EDTA	EthyleneDiamine Tetra Acetic acid
ELISA	Enzyme Linked Immunosorbant Assay
FucT	Fucosyltransferase
Gal	Galactose
GalNAc	N-acetylgalactosamine
GDP	Guanosine diphosphate
GTPase	Guanosine triphosphatase
H ₂ SO ₄	Sulfuric acid
HABA	2-Hydroxyazobenzen-4'-Carboxylic Acid
HCl	Hydrochloric acid
HIO ₄	Periodic acid
HRP	HorseRadish Peroxidase
ICD	International Classification of Diseases
ICMR	Indian Council of Medical Research
IgA	Immunoglobulin A
KD	Kilo Dalton
LN	Lymph Node

LTA	<i>Lotus tetragonolobus</i>
µg	Microgram
µl	Microlitre
µM	Micro molar
µm	Micrometer
M	Molar
mA	Milli amperes
ml	Milliliter
mg	Milligram
M	Malignant tissues
MAL	<i>Maackia amurensis leukoagglutinin</i>
MgCl ₂	Magnesium chloride
MMP	Matrix Metalloproteinase
MnCl ₂	Manganese Chloride
Mod.	Moderately differentiated tumours
MW	Molecular weight marker
N	Adjacent Normal tissues
N	Normality
NaCl	Sodium Chloride
NaN ₃	Sodium Azide
NANA	N-Acetyl Neuraminic Acid
NaOH	Sodium Hydroxide
NED	No Evidence of Disease
NG	Nuclear Grade
Nm	Nanometer
NP-40	Nonidet P40
NR	Non-Responders
O.D.	Optical Density
OLP	Leukoplakia
OPC	Oral Precancerous Condition
PAGE	Polyacrylamide Gel Electrophoresis
PAS	Periodic Acid Schiff's
PBS	Phosphate Buffer Saline
PMSF	Phenyl Methylsulphonyl Fluoride
PNP	<i>p</i> -Nitrophenol
PNPP	<i>p</i> -Nitrophenyl-phosphate
PT	Pretreatment blood sample of oral cancer patients
PTA	Phosphotungstic acid
R _f	Retardation factor
RFU	Relative Fluorescence Unit
RHO	Ras homolog gene family
RMT	RetroMolar Trigone
ROC	Receiver's Operating Characteristic
S.E.M	Standard error of means

SCC	Squamous Cell Carcinoma
SDS	Sodium dodecyl sulphate
SEER	National Cancer Institute's Surveillance, Epidemiology, and End Results
SIT	Sialyltransferase
SLe ^a	Sialyl Lewis a
SLe ^x	Sialyl Lewis X
SMF	Submucous fibrosis
<i>SNA</i>	<i>sambucus nigra</i>
SPSS	Statistical Package for Social Sciences
TBA	Thiobarbituric acid
TBS-T	Tris buffer saline/Tween-20
TCA	Trichloro acetic acid
TEMED	N,N,N',N'-Tetra methylethylene diamine
TNM	Tumor-Node-Metastasis
TP	Total proteins
TRC	Tobacco Related Cancers
Tris	Tris(hydroxymethyl)aminomethane
TSA	Total Sialic Acid
UICC	International Union Against Cancer
V	Volts
v/v	Volume/volume
vs.	Versus
w/v	Weight/volume
WHO	World Health Organization
<i>WNT</i>	Wingless signaling pathway